

CITY OF PORT ST. LUCIE

Continuing Contracts for Survey & Mapping

E-RFP Number: 20230097

September 22, 2023



KCI Technologies, Inc.

1425 W. Cypress Creek Road

Suite 101

Fort Lauderdale, FL 33309

TABLE OF CONTENTS

PAGE	TAB	SECTION
1	1	Firm Qualifications
31	2	Methodology/Approach
40	3	Certified Minority Business Enterprise
41	4	Additional Required Proposal Submittal Forms
56	-	Contract Exceptions



TAB 1

FIRM QUALIFICATIONS



FIRM QUALIFICATIONS



September 22, 2023

City of Port St. Lucie
121 S.W. Port St. Lucie Blvd.
Port St. Lucie, FL 34984

Re: Continuing Contracts for Survey & Mapping Services | E-RFP Number:
20230097

Dear Selection Committee,

Just as the City of Port St. Lucie (City) has provided businesses and families essential services, KCI Technologies, Inc. (KCI) is passionate about working with cities to foster growth and bolster their infrastructure to continue giving communities throughout Florida strong roots to thrive for many years to come.

Our past experience with municipalities shows our commitment, familiarity, and expertise –three keys that make KCI the right firm to provide survey and mapping services for the City. Throughout this statement of qualifications, we have outline our proposed methodology and approach, experience on similar projects, personnel qualifications, and overall qualifications.

We offer multi-disciplinary expertise in engineering, land surveying, subsurface utility engineering (SUE), geographic information systems (GIS), construction engineering and inspection (CEI), landscape architecture, and planning services. Our team is passionate about making a positive impact on the City's as our team works on infrastructure solutions that continuously improve, support, develop, implement, and build.

During the review process, we encourage you to reach out with any questions. We are prepared to deliver excellent, skilled, and sensitive solutions to the City of Port St. Lucie. The KCI team respectfully submits our statement of qualifications and appreciates your consideration of this submittal.

Bruce Reed, RLA
Regional Practice Leader | Vice President

Benjamin Hoyle, PSM
Project Manager



FIRM NAME

KCI Technologies, Inc.



ADDRESS

1425 W. Cypress Creek Rd.,
Suite 101,
Fort Lauderdale, FL 33309



TELEPHONE NO.

(954) 776-1616



PROJECT MANAGER

Benjamin Hoyle, PSM

Project Manager

(954) 839-6697

benjamin.hoyle@kci.com

FIRM QUALIFICATIONS

Founded in 1955, KCI is a 100-percent employee-owned engineering, consulting, and construction firm serving clients throughout the United States. Our roughly 2,000 employee-owners operate out of more than 65 offices in 19 states - as well as the District of Columbia. With revenues of approximately \$441 million in 2022, the *Engineering News-Record* has consistently placed KCI among the top consulting engineering firms in the country.

Incorporated in Florida in 1995, KCI has built a solid reputation for client satisfaction as we relentlessly pursue solutions today to address tomorrow's infrastructure challenges. Our local team offers both the breadth and depth of experience to meet the City's needs.

At KCI, we apply knowledge, determination and skill to create a more interconnected, livable world—a society that connects us not only to our clients, but to each other. Reward is found in prosperity, resilience, growth and success for our clients, our communities and our employee-owners. Ownership is key. Our employees are both professionally and personally invested in the success of our projects, our clients and our company.

Over the past five years, KCI has completed over 23,000 projects company-wide. Our Fort Lauderdale team has greatly contributed to that number by providing a multitude of services under numerous local on-call contracts.

KCI has performed various surveying services for numerous clients throughout Florida, including the following municipalities and/or governmental agencies:

- City of Aventura
- City of Boca Raton
- City of Boynton Beach
- City of Coconut Creek
- City of Coral Springs
- City of Delray Beach
- City of Fort Lauderdale
- City of Key West
- City of Lauderdale Lakes
- City of Lauderhill
- City of Marathon
- City of Miami
- City of Miami Gardens
- City of Miramar
- City of North Lauderdale
- City of North Miami
- City of Oakland Park
- City of Parkland
- City of Port St. Lucie ★
- City of Riviera Beach
- City of Sunrise
- FDOT Districts One, Two, Four, Six, and Seven
- Florida's Turnpike Enterprise
- Miami-Dade County
- Monroe County
- School Board of Broward County
- School Board of Palm Beach County
- South Florida Water Management District
- Town of Bay Harbor Islands
- Town of Miami Lakes
- Town of Palm Beach Gardens
- Village of Key Biscayne

The projects were completed on time, within budget, and were an overall success due to the positive partnership we found with KCI. We highly recommend KCI Technologies, Inc. as the Survey and Mapping consultant for any municipal project. - Mr. Danny Lozano, Property Management Specialist, City of Miami

FIRM QUALIFICATIONS

KCI Holdings, Inc. / KCI Technologies, Inc. 2023 Officers and Directors

Title	Employee Name	Date of Current Office	Business Address
Chairman of the Board/CEO	Nathan J. Beil**	12/14/2021	936 Ridgebrook Road, Sparks, MD 21152
President/COO	Christopher J. Griffith**	6/10/2021	936 Ridgebrook Road, Sparks, MD 21152
Senior Vice President, CFO and Treasurer	Christine Y. Koski	6/7/2022	936 Ridgebrook Road, Sparks, MD 21152
Executive Vice President	G. Scott Lang	10/21/2016	936 Ridgebrook Road, Sparks, MD 21152
Executive Vice President	Charles A. Phillips Jr	12/14/2021	936 Ridgebrook Road, Sparks, MD 21152
Executive Vice President	Daniel Scott Riddle	12/13/2022	936 Ridgebrook Road, Sparks, MD 21152
Senior Vice President	Garland Galm	11/29/2021	11550 IH-10 West, Suite 395, San Antonio, TX 78230
Senior Vice President	Bryan Lawson	12/15/2017	4041 Crescent Park Drive, Tampa, FL 33578
Senior Vice President	Gary Mrynca	10/21/2016	500 1 st Avenue North, Suite 290, Nashville, TN 37203
Senior Vice President	Bill Roberts	12/14/2021	936 Ridgebrook Road, Sparks, MD 21152
Senior Vice President	Barry Schoch	10/31/2017	5001 Louise Drive, Suite 201, Mechanicsburg, PA 17055
Senior Vice President/Corporate Secretary	Bayne E. Smith	12/15/2017	2160 Satellite Boulevard, Suite 130, Duluth, GA 30097
Vice President	Laurie Arensdorf	5/19/2015	4505 Falls of Neuse Road, Suite 400, Raleigh, NC 27609
Vice President	Robert Atkinson	8/21/2018	3014 Southcross Boulevard, Rock Hill, SC 29730
Vice President	Marty Ayres	8/16/2022	5301 Nottingham Drive, Suite 110, White Marsh, MD 21162
Vice President	Nicholas Barrick	12/15/2020	11830 West Market Place, Suite F, Fulton, MD 20759
Vice President	Stephanie Barrows	12/14/2021	936 Ridgebrook Road, Sparks, MD 21152
Vice President	Kathy Berek	12/14/2021	11900 West Parmer Lane, Suite 105, Cedar Park, TX 78613
Vice President	Sommer Boecker	12/13/2022	11900 West Parmer Lane, Suite 105, Cedar Park, TX 78613
Vice President	Peter Bourne	8/21/2018	1352 Marrows Road, Ste. 100, Newark, DE 19711
Vice President	Deborah Boyd	12/13/2016	936 Ridgebrook Road, Sparks, MD 21152
Vice President	Mehmet Boz**	6/19/2018	936 Ridgebrook Road, Sparks, MD 21152
Vice President	Michael W. Burcham	6/3/2014	1352 Marrows Road, Suite 100, Newark, DE 19711
Vice President	Eric Burgess	6/6/2017	3014 Southcross Boulevard, Rock Hill SC 29730
Vice President	Steven Cumor	10/17/2016	936 Ridgebrook Road, Sparks, MD 21152
Vice President	Shawn Davis	12/14/2021	3014 Southcross Boulevard, Rock Hill, SC 29730
Vice President	James Deriu	10/17/2016	936 Ridgebrook Road, Sparks, MD 21152
Vice President	David J. Eberspacher	5/19/2015	3014 Southcross Boulevard, Rock Hill, SC 29730
Vice President	James Fitz Morris	6/6/2017	9711 Southern Pine Boulevard, Suite A, Charlotte NC 28273
Vice President	Erick Fry	12/12/2017	2160 Satellite Boulevard, Suite 130, Duluth, GA 30097
Vice President	Adam Gardner	10/17/2016	936 Ridgebrook Road, Sparks, MD 21152
Vice President	Kyle Gass	11/29/2021	11550 IH-10 West, Suite 395, San Antonio, TX 78230
Vice President	James M. Gellenthin	2/9/2015	4505 Falls of Neuse Road, Suite 400, Raleigh, NC 27609
Vice President	Dawn Green	11/29/2021	11550 IH-10 West, Suite 395, San Antonio, TX 78230
Vice President	Larry Gregory	10/17/2016	2160 Satellite Boulevard, Suite 130, Duluth, GA 30097
Vice President	Heidi Hammel	12/10/2019	936 Ridgebrook Road, Sparks, MD 21152
Vice President	Wes Hulsey	6/26/2020	106 Clair Drive, Piedmont, SC 29673
Vice President	Joel S. Keels	10/30/2007	936 Ridgebrook Road, Sparks, MD 21152
Vice President	Dana Knight	2/6/2018	936 Ridgebrook Road, Sparks, MD 21152
Vice President	Jeffrey Knueppel	8/16/2022	211 Welsh Pool Road, Suite 240, Exton, PA 19341
Vice President	Jim Lofft	12/10/2019	936 Ridgebrook Road, Sparks, MD 21152
Vice President	Robert Macoy	10/17/2016	936 Ridgebrook Road, Sparks, MD 21152
Vice President	Susan Miller	10/17/2016	936 Ridgebrook Road, Sparks, MD 21152
Vice President	Arch Noha	8/21/2018	5301 Nottingham Drive, Suite 110, White Marsh, MD 21162
Vice President	George Peck	11/29/2021	11550 IH-10 West, Suite 395, San Antonio, TX 78230
Vice President	George Perdikakis	5/26/2009	936 Ridgebrook Road, Sparks, MD 21152
Vice President	Joseph J. Pfeiffer, Jr.	12/15/2000	300 2 nd Street North, Suite 350, La Crosse, WI 54601
Vice President	Randell Prescott	12/10/2019	4041 Crescent Park Drive, Tampa, FL 33578
Vice President	Bruce Reed	12/13/2022	1425 W Cypress Creek Rd, Suite 101, Ft Lauderdale, FL 33309
Vice President	Kerry B. Rexroad	3/22/1996	936 Ridgebrook Road, Sparks, MD 21152
Vice President	Adam Rickey	8/21/2018	936 Ridgebrook Road, Sparks, MD 21152
Vice President	Jeanne Ruthloff**	2/23/2021	936 Ridgebrook Road, Sparks, MD 21152
Vice President	Randy Seaver	12/15/2020	2610 Rochester Road, Cranberry Township, PA 16066
Vice President	Andrew Smith	2/6/2018	936 Ridgebrook Road, Sparks, MD 21152
Vice President	Adam Spiller	8/16/2022	4505 Falls of Neuse Road, Suite 400, Raleigh, NC 27609
Vice President	Scott Stockburger	10/17/2016	5021 Lakawana Street, Suite 501, Dallas, TX 75247
Vice President	John Walsh	12/14/2021	9711 Southern Pine Boulevard, Suite A, Charlotte, NC 28273
Vice President	Mary C. Wiedorfer	12/17/2013	122 C Street, NW, Suite 500, Washington, DC 20001

FIRM QUALIFICATIONS

KCI Holdings, Inc. / KCI Technologies, Inc. 2023 Officers and Directors

Vice President	Khalil Zaied	2/6/2018	936 Ridgebrook Road, Sparks, MD 21152
Director	Holly Painter**	12/14/2021	2160 Satellite Boulevard, Suite 130, Duluth, GA 30097
Director	Kenneth H. Trout**	3/2/1999	936 Ridgebrook Road, Sparks, MD 21152
Director	William Jews**	12/15/2009	936 Ridgebrook Road, Sparks, MD 21152
Director	Barnie Beasley**	12/10/2019	936 Ridgebrook Road, Sparks, MD 21152
Director	Courtney Beamon**	12/10/2019	936 Ridgebrook Road, Sparks, MD 21152

** Member of Board of Directors

Notes:

Term of office for Directors is one-year and are appointed or re-appointed and elected by Trustees at their Annual Stockholders Meeting every December.
Term of office for Officers is "perpetual" until change of status as determined by Board of Directors or when employment is terminated.

State of Incorporation: Delaware
FEIN #52-1604386
Date of Incorporation: 12/15/88

Revised 12/13/2022

ARCHITECT - ENGINEER QUALIFICATIONS

PART II - CONTRACT - SPECIFIC QUALIFICATIONS

A. CONTRACT INFORMATION

1. TITLE AND LOCATION (City and State)

Continuing Contracts for Survey & Mapping Services, City of Port St. Lucie, Florida

2. PUBLIC NOTICE DATE

August 29, 2023

3. SOLICITATION OR PROJECT NUMBER

E-RFP Number: 20230097

B. ARCHITECT - ENGINEER POINT OF CONTACT

4. NAME AND TITLE

Benjamin Hoyle, PSM

5. NAME OF FIRM

KCI Technologies, Inc.

6. TELEPHONE NUMBER

(954) 839-6697

7. FAX NUMBER

N/A

8. EMAIL ADDRESS

benjamin.hoyle@kci.com

C. PROPOSED TEAM

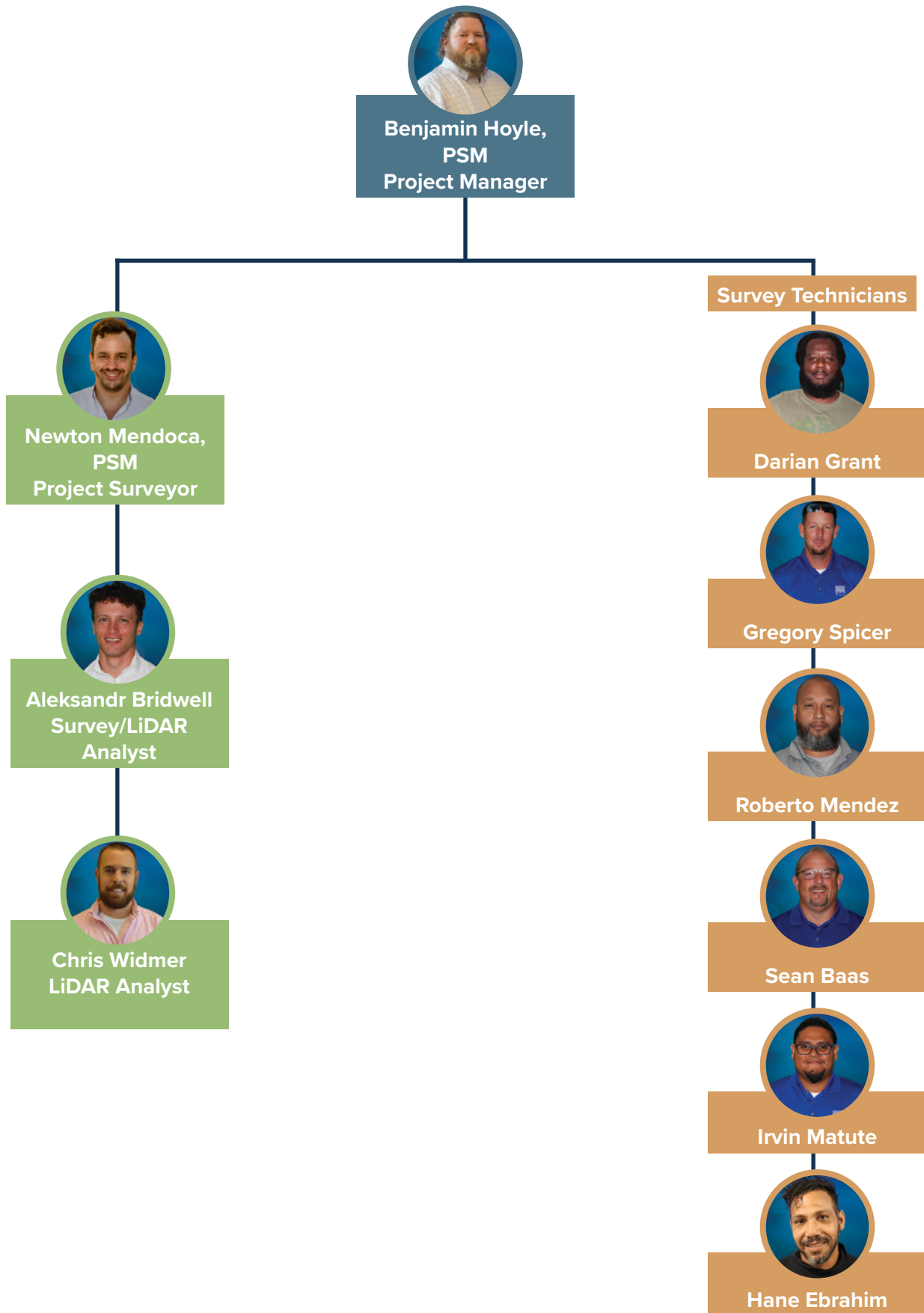
(Complete this section for the prime contractor and all key subcontractors.)

(Check)				9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
PRIME	JV PARTNER	SUBCONTRACTOR				
a.	X			KCI Technologies, Inc. <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	1425 W. Cypress Creek Road, Suite 101 Fort Lauderdale, FL 33309	Prime
b.				<input type="checkbox"/> CHECK IF BRANCH OFFICE		
c.				<input type="checkbox"/> CHECK IF BRANCH OFFICE		
d.				<input type="checkbox"/> CHECK IF BRANCH OFFICE		
e.				<input type="checkbox"/> CHECK IF BRANCH OFFICE		
f.				<input type="checkbox"/> CHECK IF BRANCH OFFICE		

D. ORGANIZATIONAL CHART OF PROPOSED TEAM

x ATTACHED

KEY PERSONNEL



E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Benjamin Hoyle, PSM	13. ROLE IN THIS CONTRACT Project Manager	14. YEARS EXPERIENCE	
		a. TOTAL 23	b. WITH CURRENT FIRM 15
15. FIRM NAME AND LOCATION (City and State) KCI Technologies, Inc. - Fort Lauderdale, FL			
16. EDUCATION (Degree and Specialization) BS Engineering Technology, University of Central Florida		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) PSM LS6769, 2009	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) CSX Roadway Worker Protection Contractor Safety, Fall Protection Training, Monitoring of Traffic Safety, OSHA 30-Hour Training, Florida Surveying & Mapping Society – Broward County Chapter President; National Society of Professional Surveyors - Member			

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION (City and State) Professional Survey Services for Stormwater Utility and Right-of-Way Improvements, Village of Key Biscayne FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2021 - Ongoing	CONSTRUCTION N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager. Under this Village wide miscellaneous surveying and mapping contract, KCI used mobile, aerial, and terrestrial LiDAR 3D laser scanners KCI mapped all the public right of way (over 24 miles) and up to the face of all building with road frontage and provide a survey grade ground surface and drainage structure as-built for stormwater analysis. Additional information was gathered to give the village a database of survey control, accurate right-of-way lines, and building structure floor elevations of over 1,600 structures to be used for design and incorporated into the Villages GIS database.	<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
b.	(1) TITLE AND LOCATION (City and State) City of Riviera Beach Continuing Survey Services Contract, Riviera Beach, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2020 - Ongoing	CONSTRUCTION N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Project Manager. As a part of this ongoing miscellaneous surveying and mapping contract, KCI prepared a topographic survey of 5.67+/- miles of city streets. The survey included power/utility poles, overhead wires, asphalt, curbing, driveways, fences, trees/hedge lines, manholes, drainage structures including inverts, and surface features of utilities. As project manager for this continuing survey services contract, Mr. Hoyle is responsible for scheduling the field crews and performing QA/QC checks on the field work for all survey tasks performed under this contract.	<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
c.	(1) TITLE AND LOCATION (City and State) Design and Permitting Services for Curtis Street Sidewalk Improvements - Port St Lucie, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2020	CONSTRUCTION N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Survey Manager. Mr. Hoyle led the survey team for this topographic survey of approximately 1200 linear feet from south of Eagle Drive to Floresta Drive. Services included the establishment of a survey baseline, the location and identification of the western road right-of-way, the location of above ground permanent improvements, as-builts of gravity utility lines (storm, sanitary sewer), and the location of underground utility designate were also shown on the survey.	<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
d.	(1) TITLE AND LOCATION (City and State) Design and Permitting for Paar Drive Sidewalk Improvements - Port St Lucie, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2019	CONSTRUCTION N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Survey Manager. Mr. Hoyle led the survey team for this topographic survey of approximately 4100 linear feet from Savona Boulevard to Daemon Street. Services included the establishment of a survey baseline, the location and identification of the road right-of-way, location of above ground permanent improvements, elevations obtained at 100-foot intervals from the south edge of pavement of Paar Drive to approximately ten feet north of the north right-of-way, and elevations of driveways and centerlines of driveways on the north side of road and the edge of driveways on the south side of Paar Drive, obtain as-builts of gravity utility lines (storm, sanitary sewer), and location of underground utility designates.	<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Newton Mendoca, PSM	13. ROLE IN THIS CONTRACT Project Surveyor	14. YEARS EXPERIENCE	
		a. TOTAL 25	b. WITH CURRENT FIRM 5 months
15. FIRM NAME AND LOCATION (City and State) KCI Technologies, Inc. - Fort Lauderdale, FL			
16. EDUCATION (Degree and Specialization) BS Surveying Engineering, FEAP, Sao Paulo, Brazil		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) PSM LS7490, 2023	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION
a.	City of Riviera Beach Continuing Survey Services Contract, City of Riviera Beach, FL	2023 - Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Survey Manager. As part of this miscellaneous surveying and mapping ongoing contract, KCI prepared a topographic survey of 5.67+/- miles of city streets. The survey included power/utility poles, overhead wires, asphalt, curbing, driveways, fences, trees/hedge lines, manholes, drainage structures including inverts, and surface features of utilities. Work performed throughout the life of the contract has also included the Dan Calloway Boundary Survey, Barracuda Bay Fire Station Boundary Survey, New Library Boundary and Topographic Survey, Heron Lakes Senior Center Plat Review, Port of Palm Beach Plat Review, Harbor Point Singer Island Fire Station, 13th Street Sketch and Description Review, Riviera Cove Plat Review, 1649 Avenue L Plat Review, FPL Physical Distribution Center South Plat Review, FPL Physical Distribution Center North Plat Review, Topographic Survey of a portion of Avenue P and the adjacent RC2 Canal, and RJ Hendley Ave Boundary and Topographic Surveys.	<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
b.	Charlotte County Public Works Bridge & Roadway Design Services - Repair or Replacement of FDOT Bridge No. 014113, Tampa, FL	2023	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Survey Surveyor. Mr. Mendonca served as the Project Surveyor for this project that providing the existing conditions for design and permitting for the repair/replacement of the three-span FDOT Bridge No. 014113, a precast concrete slab bridge that was severely damaged by the Hurricane Ian event and carries Rotonda Boulevard South over the Rotonda River. The scope of services also included the design of roadway improvements for partial roadway reconstruction, minor roadway widening, partial replacement of the curbs, and replacement of the guard rail. The survey tasks included obtaining sufficient elevations to create a Digital Terrain Model (DTM) covering the roadway and the ground surface underneath the bridge, including mapping of subsurface areas underneath the waterline of the Rotonda River. Mr. Mendonca supervised the use of 3D LiDAR scanning, horizontal and vertical control, topographic mapping, and the modeling and drafting of plan and profile bridge structural components to be used by the engineers for their analysis and design.	<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
c.	Town of Surfside, Undergrounding Phase II, Surfside, FL	2023	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Senior Project Manager. The Town has requested KCI to prepare a topographic survey and determine the right-of-way of an alleyway that is situated between Collins Avenue and Harding Avenue, situated between 94th Street and 96th Street, for the purpose of determining Town Maintenance right-of-way location and preparing a maintenance right of way map to be recorded with Miami-Dade County. The topographic information, including all surface features of utilities, such as asphalt, curbing, sidewalks, surface features of utilities, and elevations are being used by the KCI engineering department and others for design purposes and re-location of utilities.	<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Aleksandr Bridwell	13. ROLE IN THIS CONTRACT Survey/LiDAR Analyst	14. YEARS EXPERIENCE	
		a. TOTAL 7	b. WITH CURRENT FIRM 5
15. FIRM NAME AND LOCATION (City and State) KCI Technologies, Inc. - Fort Lauderdale, FL			
16. EDUCATION (Degree and Specialization) BS Geomatics, Florida Atlantic University		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) Remote Pilot No.4269106	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION
a.	Professional Survey Services for Stormwater Utility and Right-of-Way Improvements, Village of Key Biscayne FL	2021 - Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE LiDAR/UAS Specialist. Under this Village wide miscellaneous surveying and mapping contract, KCI used mobile, aerial, and terrestrial LiDAR 3D laser scanners KCI mapped all the public right of way (over 24 miles) and up to the face of all building with road frontage and provide a survey grade ground surface and drainage structure as-built for stormwater analysis. Additional information was gathered to give the village a database of survey control, accurate right-of-way lines, and building structure floor elevations of over 1,600 structures to be used for design and incorporated into the Villages GIS database.		<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM
b.	City of Riviera Beach Continuing Survey Services Contract, Riviera Beach, FL	2020 - Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Survey Technician. As a part of this miscellaneous surveying and mapping contract, ongoing contract, KCI prepared a topographic survey of 5.67+/- miles of city streets. The survey included power/utility poles, overhead wires, asphalt, curbing, driveways, fences, trees/hedge lines, manholes, drainage structures including inverts, and surface features of utilities.		<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM
c.	City of Miami, Miscellaneous Survey and Mapping Services Contract - Miami, FL	2018 - Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Survey Technician. KCI performed a number of task orders on this ongoing contract, including but not limited to Boundary and Topographic Surveys for Special Ops Command Center, Police Headquarters, Athalie Range Park, Lemon City Park , Douglas Park, Stearns & Martell Parks , Little Haiti Soccer Park, , as well as Boundary Surveys for Fire Station #3 , Fire Station #4 , Fire Station #10 , Fire Station #12 , Miami Riverside Center, Marlins Park Monitoring Wells, Communications Generator at Fire Headquarters; Bay of Pigs Park Topographic Survey, 104 NW 1st Avenue Sketch and Description, FDOT Parcels 3831 & 4236 Sketch and Descriptions, Miamarina Parkway Drive Mitigation Area 3 Sketch and Description, OMNI CRA Amendment Legal Description Preparation, and James L. Knight Center Seawall Survey.		<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM
d.	City of Miami Beach, Miscellaneous Survey and Mapping Services Contract - Miami Beach, FL	2018 - 2021	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Survey Technician. KCI has performed a number of task orders on this miscellaneous surveying and mapping contract for various locations/projects, including Maurice Gibb Memorial Park Boundary and Topographic Survey, Bonita Drive Topographic Survey, 5th Street Monumentation Topographic Survey, Madeline Village Crespi Boulevard Boundary and Topographic Survey, Belle Isle Park Topographic Survey, MacArthur Pedestrian Bridge Topographic Survey, as well as Allison Park Boundary and Topographic Survey.		<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Chris Widmer	13. ROLE IN THIS CONTRACT LiDAR Analyst	14. YEARS EXPERIENCE	
		a. TOTAL 18	b. WITH CURRENT FIRM 18
15. FIRM NAME AND LOCATION (City and State) KCI Technologies, Inc. - Lawrenceville, GA			
16. EDUCATION (Degree and Specialization) Coursework, Georgia Perimeter College		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION (City and State) Professional Survey Services for Stormwater Utility and Right-of-Way Improvements, Village of Key Biscayne FL	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Mobile Reality Capture Manager. Under this Village wide miscellaneous surveying and mapping contract, KCI used mobile, aerial, and terrestrial LiDAR 3D laser scanners KCI mapped all the public right of way (over 24 miles) and up to the face of all building with road frontage and provide a survey grade ground surface and drainage structure as-built for stormwater analysis. Additional information was gathered to give the village a database of survey control, accurate right-of-way lines, and building structure floor elevations of over 1,600 structures to be used for design and incorporated into the Villages GIS database.	PROFESSIONAL SERVICES 2021 - Ongoing	CONSTRUCTION N/A
b.	(1) TITLE AND LOCATION (City and State) Covanta Energy Fire Protection Upgrades, Covanta Energy Group, Various States, NY, MS, and PA	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Mobile Reality Capture Manager. Using a three-phase approach, KCI provides full-service fire protection, electrical, structural, and civil engineering services to furnish remote-controlled water monitor suppression and thermographic camera detection systems in key areas of vulnerability within the plant. These critical infrastructure improvements help protect the plant from potential fire damage, business interruption, and the ability to serve their communities by accepting municipal waste and delivering power. These multi-megawatt power plants provide power for their local communities and municipal trash destruction. KCI designed remotely operated water cannons to improve the overall fire protection scheme for the facility. Electrical and structural infrastructure was also designed to provide support for these monitors. The remotely controlled monitors allowed personnel to operate fire water cannons from the control room. This increased the overall safety of the facility as well as power interruptions for the local community.	PROFESSIONAL SERVICES 2020 - 2023	CONSTRUCTION N/A
c.	(1) TITLE AND LOCATION (City and State) Scenic Highway/SR 124 Gwinnett County, GA	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Survey Technician. KCI is providing the survey, SUE, and design services for this led project. The project improvements consist of widening SR 124 to provide six travel lanes along SR 124, a raised median with turn lanes, operational improvements at intersections, and access modifications. Pedestrian improvements (sidewalks and a ten-foot wide shared-use path on one side) along portions of the project to accommodate pedestrians and bicyclists. This project is locally led, but with GDOT funding for right-of-way and construction.	PROFESSIONAL SERVICES 2018 - 2019	CONSTRUCTION N/A
d.	(1) TITLE AND LOCATION (City and State) Hartsfield-Jackson Atlanta International Airport Terminals, Atlanta, GA	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Survey Technician. KCI provided 3D laser scans of the entire lengths of airport terminals T, A, B, C, and D, covering approximately 1,268,000 square feet. After completion, 3D laser scans were collected above the ceiling tiles and plenum of the exact same areas. The client used these scans to design all new interior and exterior sections for renovations and placement of TSA areas. The airport used the 3D scan data to precisely locate the expansion joints of all MEP above the ceiling for their reference.	PROFESSIONAL SERVICES 2018	CONSTRUCTION N/A

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Darian Grant	13. ROLE IN THIS CONTRACT Survey Technician	14. YEARS EXPERIENCE	
		a. TOTAL 19	b. WITH CURRENT FIRM 19
15. FIRM NAME AND LOCATION (City and State) KCI Technologies, Inc. - Fort Lauderdale, FL			
16. EDUCATION (Degree and Specialization) High School Diploma		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) First Aid/CPR/AED Trained, OSHA 10-Hour Training, CSX Roadway Worker Protection Contractor Safety, Fall Protection Training, FDOT/AMOT - Maintenance of Traffic - Advanced, FDOT/IMOT - Maintenance of Traffic - Intermediate			

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION
a.	City of Riviera Beach Continuing Survey Services Contract, City of Riviera Beach, Riviera Beach, FL	2014 - Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Survey Technician. Work performed throughout the life of the contract has included topographic survey of 5.67+/- miles of city streets, Dan Calloway Boundary Survey, Barracuda Bay Fire Station Boundary Survey, New Library Boundary and Topographic Survey, Heron Lakes Senior Center Plat Review, Port of Palm Beach Plat Review, Harbor Point Singer Island Fire Station, 13th Street Sketch and Description Review, Riviera Cove Plat Review, 1649 Avenue L Plat Review, FPL Physical Distribution Center South Plat Review, FPL Physical Distribution Center North Plat Review, Topographic Survey of a portion of Avenue P and the adjacent RC2 Canal, and RJ Hendley Ave Boundary and Topographic Surveys.		<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM
b.	Professional Survey Services for Stormwater Utility and Right-of-Way Improvements, Village of Key Biscayne FL	2021 - Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Survey Technician. KCI provided surveying and mapping services for this project that involves mapping all publicly-owned ROW. KCI set survey control on 24 miles of roadway and mapped it with mobile, aerial, and terrestrial LiDAR 3D laser scanners. KCI also established the finished floor elevation of every building in the Village, more than 1,600 structures.		<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM
c.	Miscellaneous Survey and Mapping Services Contract, City of Miami, Miami, FL	2013 - Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Survey Technician. KCI performed a number of task orders on this ongoing contract, including but not limited to Boundary and Topographic Surveys for Special Ops Command Center, Police Headquarters, Athalie Range Park, Lemon City Park, Douglas Park, Stearns & Martell Parks, Little Haiti Soccer Park, as well as Boundary Surveys for Fire Station #3, Fire Station #4, Fire Station #10, Fire Station #12, Miami Riverside Center, Marlins Park Monitoring Wells, Communications Generator at Fire Headquarters; Bay of Pigs Park Topographic Survey, 104 NW 1st Avenue Sketch and Description, FDOT Parcels 3831 & 4236 Sketch and Descriptions, Miamarina Parkway Drive Mitigation Area 3 Sketch and Description, OMNI CRA Amendment Legal Description Preparation, and James L. Knight Center Seawall Survey.		<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Gregory Spicer	13. ROLE IN THIS CONTRACT Survey Technician	14. YEARS EXPERIENCE	
		a. TOTAL 17	b. WITH CURRENT FIRM 8
15. FIRM NAME AND LOCATION (City and State) KCI Technologies, Inc. - Fort Lauderdale, FL			
16. EDUCATION (Degree and Specialization) High School Diploma		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) CSX Roadway Worker Protection Contractor Safety, Fall Protection Training, FDOT/AMOT - Maintenance of Traffic - Advanced, FDOT/IMOT - Maintenance of Traffic - Intermediate, First Aid/CPR Trained, OSHA 10-Hour Training			

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION
Professional Survey Services for Stormwater Utility and Right-of-Way Improvements, Village of Key Biscayne, FL	2021 - Ongoing	N/A
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Survey Technician. Under this Village wide miscellaneous surveying and mapping contract, KCI used mobile, aerial, and terrestrial LiDAR 3D laser scanners KCI mapped all the public right of way (over 24 miles) and up to the face of all building with road frontage and provide a survey grade ground surface and drainage structure as-built for stormwater analysis. Additional information was gathered to give the village a database of survey control, accurate right-of-way lines, and building structure floor elevations of over 1,600 structures to be used for design and incorporated into the Villages GIS database.	<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
Miscellaneous Survey and Mapping Services Contract, City of Miami, Miami, FL	2015 - Ongoing	N/A
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Survey Technician. KCI performed a number of task orders on this ongoing contract, including but not limited to Boundary and Topographic Surveys for Special Ops Command Center, Police Headquarters, Athalie Range Park, Lemon City Park, Douglas Park, Stearns & Martell Parks, Little Haiti Soccer Park, as well as Boundary Surveys for Fire Station #3, Fire Station #4, Fire Station #10, Fire Station #12, Miami Riverside Center, Marlins Park Monitoring Wells, Communications Generator at Fire Headquarters; Bay of Pigs Park Topographic Survey, 104 NW 1st Avenue Sketch and Description, FDOT Parcels 3831 & 4236 Sketch and Descriptions, Miamarina Parkway Drive Mitigation Area 3 Sketch and Description, OMNI CRA Amendment Legal Description Preparation, and James L. Knight Center Seawall Survey.	<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
City of Riviera Beach Continuing Survey Services Contract, City of Riviera Beach, Riviera Beach, FL	2014 - Ongoing	N/A
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Survey Technician. Work performed throughout the life of the contract has included topographic survey of 5.67+/- miles of city streets, Dan Calloway Boundary Survey, Barracuda Bay Fire Station Boundary Survey, New Library Boundary and Topographic Survey, Heron Lakes Senior Center Plat Review, Port of Palm Beach Plat Review, Harbor Point Singer Island Fire Station, 13th Street Sketch and Description Review, Riviera Cove Plat Review, 1649 Avenue L Plat Review, FPL Physical Distribution Center South Plat Review, FPL Physical Distribution Center North Plat Review, Topographic Survey of a portion of Avenue P and the adjacent RC2 Canal, and RJ Hendley Ave Boundary and Topographic Surveys.	<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Roberto Mendez	13. ROLE IN THIS CONTRACT Survey Technician	14. YEARS EXPERIENCE	
		a. TOTAL 24	b. WITH CURRENT FIRM 12
15. FIRM NAME AND LOCATION (City and State) KCI Technologies, Inc. - Fort Lauderdale, FL			
16. EDUCATION (Degree and Specialization) High School Diploma		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)	

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

First Aid/CPR/AED Trained, OSHA 10-Hour Training, CSX Roadway Worker Protection Contractor Safety, Fall Protection Training, FDOT/AMOT - Maintenance of Traffic - Advanced, FDOT/IMOT - Maintenance of Traffic - Intermediate

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION
Master Island Survey, Village of Key Biscayne, Key Biscayne, FL	2022 -Ongoing	N/A
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Survey Technician. Under this Village wide miscellaneous surveying and mapping contract, KCI used mobile, aerial, and terrestrial LiDAR 3D laser scanners KCI mapped all the public right of way (over 24 miles) and up to the face of all building with road frontage and provide a survey grade ground surface and drainage structure as-built for stormwater analysis. Additional information was gathered to give the village a database of survey control, accurate right-of-way lines, and building structure floor elevations of over 1,600 structures to be used for design and incorporated into the Villages GIS database.	<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
City of Riviera Beach Continuing Survey Services Contract, City of Riviera Beach, Riviera Beach, FL	2014 - Ongoing	N/A
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Survey Technician. Work performed throughout the life of the contract has included topographic survey of 5.67+/- miles of city streets, Dan Calloway Boundary Survey, Barracuda Bay Fire Station Boundary Survey, New Library Boundary and Topographic Survey, Heron Lakes Senior Center Plat Review, Port of Palm Beach Plat Review, Harbor Point Singer Island Fire Station, 13th Street Sketch and Description Review, Riviera Cove Plat Review, 1649 Avenue L Plat Review, FPL Physical Distribution Center South Plat Review, FPL Physical Distribution Center North Plat Review, Topographic Survey of a portion of Avenue P and the adjacent RC2 Canal, and RJ Hendley Ave Boundary and Topographic Surveys. Mr. Mendez supervised other field crew members while performing boundary and topographic surveys for City projects.	<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
Miscellaneous Survey and Mapping Services Contract, City of Miami, Miami, FL	2013 - Ongoing	N/A
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Survey Technician. KCI performed a number of task orders on this ongoing contract, including but not limited to Boundary and Topographic Surveys for Special Ops Command Center, Police Headquarters, Athalie Range Park, Lemon City Park , Douglas Park, Stearns & Martell Parks , Little Haiti Soccer Park, , as well as Boundary Surveys for Fire Station #3 , Fire Station #4 , Fire Station #10 , Fire Station #12 , Miami Riverside Center, Marlins Park Monitoring Wells, Communications Generator at Fire Headquarters; Bay of Pigs Park Topographic Survey, 104 NW 1st Avenue Sketch and Description, FDOT Parcels 3831 & 4236 Sketch and Descriptions, Miamarina Parkway Drive Mitigation Area 3 Sketch and Description, OMNI CRA Amendment Legal Description Preparation, and James L. Knight Center Seawall Survey. Mr. Mendez supervised other field crew members while performing boundary and topographic surveys for City projects.	<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Sean Baas	13. ROLE IN THIS CONTRACT Survey Technician	14. YEARS EXPERIENCE	
		a. TOTAL 19	b. WITH CURRENT FIRM 13
15. FIRM NAME AND LOCATION (City and State) KCI Technologies, Inc. - Fort Lauderdale, FL			
16. EDUCATION (Degree and Specialization) High School Diploma		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)	

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

CSX Roadway Worker Protection Contractor Safety, FDOT/IMOT - Maintenance of Traffic - Intermediate, First Aid/CPR Trained, OSHA 10-Hour Training

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION
Professional Survey Services for Stormwater Utility and Right-of-Way Improvements, Village of Key Biscayne, FL	2021 - Ongoing	N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM
<p>a. Survey Technician. Under this Village wide miscellaneous surveying and mapping contract, KCI used mobile, aerial, and terrestrial LiDAR 3D laser scanners KCI mapped all the public right of way (over 24 miles) and up to the face of all building with road frontage and provide a survey grade ground surface and drainage structure as-built for stormwater analysis. Additional information was gathered to give the village a database of survey control, accurate right-of-way lines, and building structure floor elevations of over 1,600 structures to be used for design and incorporated into the Villages GIS database.</p>		
City of Riviera Beach Continuing Survey Services Contract, City of Riviera Beach, Riviera Beach, FL	2014 - Ongoing	N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM
<p>b. Survey Technician. As a part of this ongoing contract, KCI prepared a topographic survey of 5.67+/- miles of city streets. The survey included power/utility poles, overhead wires, asphalt, curbing, driveways, fences, trees/hedge lines, manholes, drainage structures including inverts, and surface features of utilities. Work performed throughout the life of the contract has also included the Dan Calloway Boundary Survey, Barracuda Bay Fire Station Boundary Survey, New Library Boundary and Topographic Survey, Heron Lakes Senior Center Plat Review, Port of Palm Beach Plat Review, Harbor Point Singer Island Fire Station, 13th Street Sketch and Description Review, Riviera Cove Plat Review, 1649 Avenue L Plat Review, FPL Physical Distribution Center South Plat Review, FPL Physical Distribution Center North Plat Review.</p>		
Districtwide Surveying and Mapping Services, Florida Department of Transportation District Four, Various Locations, FL	2015 - 2018	N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM
<p>c. Survey Technician. KCI provided the district design surveys, parcel and right-of-way stake outs, digital terrain models (DTM), geodetic control, control surveys, right-of-way mapping, right-of-way (monumentation) surveys, maintenance mapping and parcel sketches. The KCI team completed numerous projects under this contract including right-of-way, topographic, and design surveys for CR 714 for the proposed CR 714/Palm City Bridge Design project. With extensive experience in all aspects of transportation surveying, our professionals and staff are well versed in Department procedures, and produced quality deliverables. Efficient communications, as well as our quality control program, helped ensure the submittal of a quality product.</p>		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Irvin Matute	13. ROLE IN THIS CONTRACT Survey Technician	14. YEARS EXPERIENCE	
		a. TOTAL 10	b. WITH CURRENT FIRM 10
15. FIRM NAME AND LOCATION (City and State) KCI Technologies, Inc. - Fort Lauderdale, FL			
16. EDUCATION (Degree and Specialization) High School Diploma		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)	

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

First Aid/CPR/AED Trained, OSHA 30-Hour Training, CSX Roadway Worker Protection Contractor Safety, Fall Protection Training, FDOT/IMOT - Maintenance of Traffic - Intermediate, OSHA 10-Hour Training

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION (City and State) City of Riviera Beach Continuing Survey Services Contract, City of Riviera Beach, Riviera Beach, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2020 - Ongoing	CONSTRUCTION N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Survey Technician. As a part of this ongoing miscellaneous surveying and mapping contract, KCI prepared a topographic survey of 5.67+/- miles of city streets. The survey included power/utility poles, overhead wires, asphalt, curbing, driveways, fences, trees/hedge lines, manholes, drainage structures including inverts, and surface features of utilities. As project manager for this continuing survey services contract, Mr. Hoyle is responsible for scheduling the field crews and performing QA/QC checks on the field work for all survey tasks performed under this contract.	<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
b.	(1) TITLE AND LOCATION (City and State) Districtwide Surveying and Mapping Services, Florida Department of Transportation District Four, Various Locations, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2019	CONSTRUCTION N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Survey Technician. KCI provided the district design surveys, parcel and right-of-way stake outs, digital terrain models (DTM), geodetic control, control surveys, right-of-way mapping, right-of-way (monumentation) surveys, maintenance mapping and parcel sketches. The KCI team completed numerous projects under this contract including right-of-way, topographic, and design surveys for CR 714 for the proposed CR 714/Palm City Bridge Design project. With extensive experience in all aspects of transportation surveying, our professionals and staff are well versed in Department procedures, and produced quality deliverables. Efficient communications, as well as our quality control program, helped ensure the submittal of a quality product.	<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
c.	(1) TITLE AND LOCATION (City and State) Miscellaneous Survey and Mapping Services Contract, City of Miami, Miami, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2018 - Ongoing	CONSTRUCTION N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Survey Technician. KCI performed a number of task orders on this ongoing contract, including ADA Homeless Remodel, Fire Training Facility, Douglas Park, Stearns & Martell Parks Boundary and Topographic Surveys, Little Haiti Soccer Park Boundary and Topographic Survey, Fire Station #3 Boundary Survey, Fire Station #4 Boundary Survey, Fire Station #10 Boundary Survey, Fire Station #12 Boundary Survey, Marlins Park Monitoring Wells, Athalie Range Park Boundary and Topographic Survey, Lemon City Park Boundary and Topographic Survey, Communications Generator at Fire Headquarters, Police Headquarters Boundary Survey, Bay of Pigs Park Topographic Survey, 104 NW 1st Avenue Sketch and Description, Special Ops Command Center Boundary and Topographic Survey, FDOT Parcels 3831 & 4236 Sketch and Descriptions, Miamarina Parkway Drive Mitigation Area 3 Sketch and Description, Miami Riverside Center Boundary Survey, OMNI CRA Amendment Legal Description Preparation, and James L. Knight Center Seawall Survey.	<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Hane Ebrahim	13. ROLE IN THIS CONTRACT Survey Technician	14. YEARS EXPERIENCE	
		a. TOTAL 1	b. WITH CURRENT FIRM 1
15. FIRM NAME AND LOCATION (City and State) KCI Technologies, Inc. - Fort Lauderdale, FL			
16. EDUCATION (Degree and Specialization) High School Diploma		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) First Aid/CPR/AED Trained, OSHA 10-Hour Training			

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Survey Technician. Mr. Ebrahim served as a rod person during this Surveying and Mapping project on the approximately 500-acre site, including over 14 miles of roadways. Services included the setting of horizontal and vertical control for the project, establishing the lot lines and right of way for all the roadways, as-builts of drainage utility structures, and preparations of sketch and descriptions for easements.	City of Fort Myers, Edgewood Neighborhood Fort Myers, FL	2022 - Ongoing	N/A
<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM			
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Survey Technician. Mr. Ebrahim served as rod person for this resurfacing and widening project. LiDAR scanning was provided through this 1.5-mile route, along with mapping approximately 1,000 feet underwater through a large drainage canal. Services included as-builts of all drainage structures, cross sections, establishment of horizontal and vertical control (primary and secondary), with corresponding project control sheets, and mapping the alignment and right of way using existing records	Florida Department of Transportation District Four, SR817 (University Dr) Southgate Blvd. to Ramblewood Drive, Tamarac, FL	2022 - 2023	N/A
<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM			
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Survey Technician. Mr. Ebrahim served as rod person for this ITS project, which included the establishment of horizontal and vertical control with corresponding project control sheets. Topographic survey of the areas between the edge of the pavement to the right-of-way was obtained throughout this 6.5-mile route. Alignment and right-of-way were established from existing records throughout the entire length of the project.	Florida Department of Transportation District Four, SR 870 (Commercial Blvd.), University Drive to Powerline Road, Fort Lauderdale, FL	2022 - 2023	N/A
<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM			
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Survey Technician. KCI prepared Tree Surveys along the project route and specified locations. Services included the location of all Native trees larger than 4" Diameter at Breast Height (DBH) and all trees planted as part of the tree nurseries within the described limits. Common tree species (if able to be identified by survey field staff) were identified on the survey, along with the diameter, height, and canopy spread. Deliverables included an AutoCAD file suitable for the client to use in PLS CADD format and signed and sealed copies of the surveys.	T26438 Renaissance Substation, Florida Power & Light Company, West Palm Beach, FL	2022	N/A
<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM			

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT (Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)	20. EXAMPLE PROJECT KEY NUMBER
	1

21. TITLE AND LOCATION (City and State) Stormwater Utility and Master Island Survey, Village of Key Biscayne, FL	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION
	2021 - Ongoing	N/A

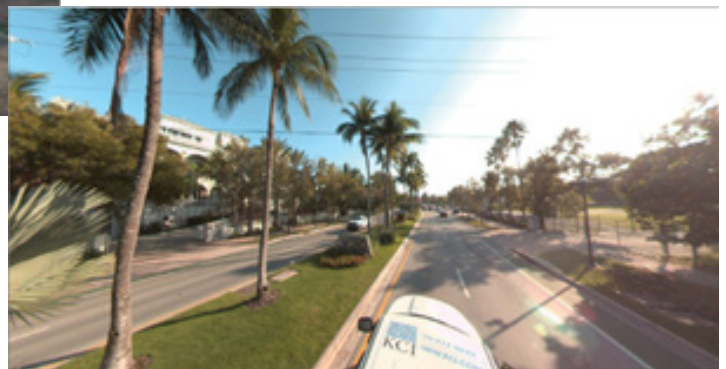
23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Village of Key Biscayne	Roland Samimy	(305) 365-8908

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

KCI has been tasked by the Village of Key Biscayne Public Works Department to map all the public right-of-way of over 14 miles of roadway and up to the face of all buildings with road frontage. KCI is applying resources of our mobile and terrestrial 3D LiDAR scanner and supplementing data with aerial LiDAR provided by our subconsultant, Settimo Consulting Services, Inc. (SCS). KCI is to set survey control on 24 miles of roadway and map it all with the mobile, aerial, and terrestrial LiDAR 3D laser scanners. KCI is to establish the right-of-way along the roadways. As a separate task, KCI will establish the finished floor elevation of every building in the Village, totaling more than 1,600 structures, followed by obtaining the location and height of over 25,000 trees in the right-of-way. All this data will be used by designers, architects, engineers, FEMA, and contractors for stormwater utility and right-of-way improvements.

Fees: \$499,865



a.	(1) FIRM NAME KCI Technologies, Inc.	2) FIRM LOCATION (City and State) Fort Lauderdale, FL	(3) ROLE Prime
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25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT (Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)	20. EXAMPLE PROJECT KEY NUMBER
	2

21. TITLE AND LOCATION (City and State) SR 817/University Drive from Southgate Boulevard to Ramblewood Drive, Tamarac, FL	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION
	2022 - Ongoing	N/A

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Florida Department of Transportation, District Four	Jeffrey Smith	(954) 777-4560

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

A 3D LiDAR scan was performed of the roadway corridor for this 1.5-mile resurfacing and widening project to provide support for design services, along with mapping approximately 1,000 feet underwater through a large drainage canal. Survey services included obtaining as-builts of all drainage structures cross-sections, establishment of horizontal and vertical control (primary and secondary) with corresponding project control sheets and mapping the alignment and right-of-way using existing records. The location of survey monumentation to prepare, confirm, and verify a baseline of the survey and respective rights-of-way throughout. In addition to the baseline and right-of-way, project control sheets and a topographic / drainage / utility / DTM Survey were prepared and finalized. Utility designate (Quality Level B) of over 46,000 linear feet was marked and located, and services include 125 proposed test hole locations to confirm the location of utility conflicts (Quality Level A).

Fees: \$1,124,271 to date



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME	2) FIRM LOCATION (City and State)	(3) ROLE
	KCI Technologies, Inc.	Fort Lauderdale, FL	Prime

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT (Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)	20. EXAMPLE PROJECT KEY NUMBER
	3

21. TITLE AND LOCATION (City and State) City of Riviera Beach Continuing Survey Services Contract, Riviera Beach, FL	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION
	2020 - Ongoing	N/A

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
City of Riviera Beach	Terrence Bailey, PE	(561) 845-3472

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

Topographic Survey of City Streets, KCI prepared a Topographic Survey of 5.67+/- miles of City streets. Services included power/utility poles, overhead wires, asphalt, curbing, driveways, fences, trees/hedge lines, manholes, drainage structures including inverts, and surface features of utilities. Other projects under this contract include:

- Dan Calloway Boundary Survey
- Barracuda Bay- Fire Station Boundary Survey
- New Library Boundary and Topographic Survey
- Heron Lakes Senior Center Plat Review
- Port of Palm Beach Plat Review
- Harbor Point Singer Island Fire Station
- 13th Street Sketch and Description Review
- Riviera Cove Plat Review
- 1649 Avenue L Plat Review
- FPL Physical Distribution Center South Plat Review
- FPL Physical Distribution Center North Plat Review
- Fontaine Subdivision Plat Reviews and Legal Description
- Stormwater Drainage Project
- RJ Hendley Ave Boundary & Topographic Surveys

Fees: \$266,647 to date



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME	2) FIRM LOCATION (City and State)	(3) ROLE
	KCI Technologies, Inc.	Fort Lauderdale, FL	Prime

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT (Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)	20. EXAMPLE PROJECT KEY NUMBER
	4

21. TITLE AND LOCATION (City and State) City of Miami Beach, Miscellaneous Survey and Mapping Services Contract, Miami Beach, FL	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION
	2019 - Ongoing	N/A

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
City of Miami Beach	Elizabeth Estevez	(305) 673-7272

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)
 KCI has completed various projects under this ongoing on-call contract for the City of Miami Beach. Some of these projects include:

- Maurice Gibb Memorial Park Boundary and Topographic Survey
- Bonita Drive Topographic Survey
- 5th Street Monumentation Topographic Survey
- Madeline Village Crespi Boulevard Boundary and Topographic Survey
- Belle Isle Park Topographic Survey
- MacArthur Pedestrian Bridge Topographic Survey
- Allison Park Boundary and Topographic Surveys
- Polo Park Topographic Survey and QLB SUE Services
- Marine Patrol Facility at Maurice Gibb Memorial Park

Fees: \$145,222 to date



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME	2) FIRM LOCATION (City and State)	(3) ROLE
	KCI Technologies, Inc.	Fort Lauderdale, FL	Prime

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT (Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)	20. EXAMPLE PROJECT KEY NUMBER
	5

21. TITLE AND LOCATION (City and State) Miscellaneous Survey and Mapping Services, City of Miami, FL	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION
	2018 - Ongoing	N/A

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
City of Miami Capital Improvements and Transportation Program	Danny Lozano	(305) 416-1469

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

KCI has performed various services in this ongoing miscellaneous services contract, including:

- ADA Homeless Remodel
- Fire Training Facility
- Douglas Park
- Stearns & Martell Parks Boundary and Topographic Surveys
- Little Haiti Soccer Park Boundary and Topographic Survey
- Fire Station #3, #4, #10, #12 Boundary Surveys
- Marlins Park Monitoring Wells
- Athalie Range Park Boundary and Topographic Survey
- Lemon City Park Boundary and Topographic Survey
- Communications Generator at Fire Headquarters
- Police Headquarters Boundary Survey
- Bay of Pigs Park Topographic Survey
- 104 NW 1st Avenue Sketch and Description
- Special Ops Command Center Boundary and Topographic Survey
- FDOT Parcels 3831 & 4236 Sketch and Descriptions
- Miamarina Parkway Drive Mitigation Area 3 Sketch and Description
- Miami Riverside Center Boundary Survey
- OMNI CRA Amendment Legal Description Preparation
- James L. Knight Center Seawall Survey
- Alice Wainwright Park Boundary Survey
- Robert King High Park Boundary and Topographic Survey with QLB SUE Services
- Henderson Park Boundary and Topographic Survey with QLB SUE Services
- Buena Vista Park Boundary and Topographic Survey with QLB SUE Services
- 1251 SW 7th Street ALTA Survey

Fees: \$268,840 to date

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME	2) FIRM LOCATION (City and State)	(3) ROLE
	KCI Technologies, Inc.	Fort Lauderdale, FL	Prime

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

(Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER

6

21. TITLE AND LOCATION (City and State)

Design and Permitting Services for Curtis Street Sidewalk Improvements, City of Port St. Lucie, FL

22. YEAR COMPLETED

PROFESSIONAL SERVICES

2020 - 2023

CONSTRUCTION

N/A

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

City of Port St Lucie

b. POINT OF CONTACT NAME

Edie Majewski

c. POINT OF CONTACT TELEPHONE NUMBER

(772) 344-4291

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

KCI performed design and permitting services of approximately 2,800 linear feet (0.53 mi) of 6-foot concrete sidewalk located on the west side of Curtis Street from Prima Vista Blvd. to Floresta Drive in the City of Port St Lucie, Florida.

Fees: \$73,233

**CITY OF PORT ST. LUCIE, FLORIDA
PUBLIC WORKS DEPARTMENT**

CONTRACT PLANS
100% SUBMITTAL
CONTRACT PROJECT ID 20190088
FROM DAEMON STREET TO SAVONA BOULEVARD
PAAR DRIVE SIDEWALK IMPROVEMENTS

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	SUMMARY OF PAY ITEMS
3-4	TYPICAL SECTION
5	SPECIAL DETAILS
6	GENERAL NOTES
7-14	ROADWAY PLAN PROFILE
15-34	CROSS SECTIONS
35-39	EROSION CONTROL PLAN
40	TEMPORARY TRAFFIC CONTROL PLAN / GENERAL NOTES
41	SOIL PROFILES

LOCATION OF PROJECT
<http://www.fl.gov/locations/PORTSTLUCIE>

GOVERNING STANDARD PLANS:
Florida Department of Transportation, FY2019/2020 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).
Standard Plans for Road Construction and associated IRs are available at the following website: <http://www.fdot.gov/design/standardplans>

APPLICABLE IRs: IR 536-000-01
Standard Plans for Bridge Construction are Included in the Structures Plans Component

GOVERNING STANDARD SPECIFICATIONS:
Florida Department of Transportation, JULY 2019 Standard Specifications for Road and Bridge Construction at the following website: <http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

REVISIONS:
Roadway Sheet 2 Revised 3-18-20

ROADWAY SHOP DRAWINGS TO BE SUBMITTED TO:
S. MARK KLINE, P.E.
KCI TECHNOLOGIES INC.
4500 NORTH ANDREWS AVENUE
FORT LAUDERDALE, FL 33309-2132

PLANS PREPARED BY:
KCI TECHNOLOGIES INC.
ENGINEERS, PLANNERS, SCIENTISTS,
CONSTRUCTION MANAGERS
4500 NORTH ANDREWS AVENUE
FORT LAUDERDALE, FLORIDA 33309-2132

ROADWAY PLANS ENGINEER OF RECORD:
S. MARK KLINE, P.E.
P.E. NO.: 44016

SHEET NO.	1
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25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a. (1) FIRM NAME	2) FIRM LOCATION (City and State)	(3) ROLE
KCI Technologies, Inc.	Fort Lauderdale, FL	Prime

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT (Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)	20. EXAMPLE PROJECT KEY NUMBER
	7

21. TITLE AND LOCATION (City and State) Design and Permitting for Southbend Blvd. Sidewalk Improvements, City of Port St. Lucie, FL	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION
	2019 - 2020	N/A

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
City of Port St Lucie	Heath Stocton	(772) 344-4239

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

The City tasked KCI to provide professional engineering services for the design and permitting of approximately 1,200 linear feet of 6-foot wide concrete sidewalk on the west side of Southbend Blvd. from south of Eagle Drive to Floresta Drive, including removal and replacement of the ADA ramp on the south side of Eagle Drive. The Topographic Survey included the establishment of a survey baseline; the location and identification of the western road right of way; the location of above-ground permanent improvements; obtaining elevations at 100-foot intervals that extend 10 feet beyond the western right of way, and elevations of intermediate highs and lows shall also be obtained. As-Built of gravity utility lines (storm, sanitary sewer) and the location of underground utility designates (as designated by others in the field) were shown on the survey.

Fees: \$88,569



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME	2) FIRM LOCATION (City and State)	(3) ROLE
	KCI Technologies, Inc.	Fort Lauderdale, FL	Prime

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT (Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)	20. EXAMPLE PROJECT KEY NUMBER
	8

21. TITLE AND LOCATION (City and State) Design and Permitting for Paar Drive Sidewalk Improvements, City of Port St. Lucie, FL	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION
	2019	N/A

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
City of Port St Lucie	Edie Majewski	(772) 344-4291

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

KCI was the lead design consultant tasked with the design and permitting to provide new sidewalk and ADA improvements on Paar Drive from Savona Boulevard to Daemon Street in Port St. Lucie, Florida. The design consisted of sidewalk design, milling and resurfacing, updated signing and marking, drainage improvements, and utility coordination and permitting.

Fees: \$168,160



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME	2) FIRM LOCATION (City and State)	(3) ROLE
	KCI Technologies, Inc.	Fort Lauderdale, FL	Prime

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT (Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)	20. EXAMPLE PROJECT KEY NUMBER
	9

21. TITLE AND LOCATION (City and State) Sportsman's Park Boundary & Topographic Survey and Final As-Built Survey, City of Port St. Lucie, FL	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION
	2019	N/A

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
City of Port St Lucie	Kelly Boatwright	(772) 871-5099

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

KCI was tasked with providing a boundary and topographic survey for the Sportsman's Park East and Sportsman's Park West parcels, an area of approximately 21.5 acres. Project details included locating above ground permanent improvements such as buildings, asphalt, concrete, fences, and surface features of utilities. Locations of native trees larger than four-inch diameter at Breast Height (DBH), with tree type and condition, were included in the survey. Elevations were obtained throughout the subject site, along with as-built data obtained on gravity utility lines (storm sewer, sanitary sewer). KCI also provided an as-built survey of the park site following construction and prepared drawings showing the location of the newly constructed improvements. While Surveying Sportsman Park, KCI was challenged with leaving a minimal impact on the site, as this was an active park with many playgrounds, soccer fields, and baseball fields being utilized. We were able to utilize one of our many technologies, using one of our Unmanned Aerial Vehicle (UAV) to collect survey grade locations from the air without having to interrupt activities on the ground.

Fees: \$37,500



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME	2) FIRM LOCATION (City and State)	(3) ROLE
	KCI Technologies, Inc.	Fort Lauderdale, FL	Prime

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT (Present as many projects as requested by the agency, or 10 projects, If not specified. Complete one Section F for each project.)	20. EXAMPLE PROJECT KEY NUMBER
	10

21. TITLE AND LOCATION (City and State) Design and Permitting Services for Thornhill Drive Sidewalk, City of Port St. Lucie, FL	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION
	2016 - 2017	N/A

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
City of Port St Lucie	Frank Knott	(772) 344-4290

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

KCI provided survey, geotechnical, design, and permitting services to the City for adding 4,750 linear feet of a new 6-foot wide concrete sidewalk to Thornhill Drive from Bayshore Blvd. to Airoso Blvd. The topographic survey located and identified the road right of way, located above ground permanent improvements, obtained elevations at 200-foot intervals that extend 10 feet beyond the right of way, and elevations of driveways on the North side of the road; obtained as-builts of gravity utility lines (storm, sanitary sewer), and locate underground utility designates (designates done by others).

Fees: \$61,887



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME	2) FIRM LOCATION (City and State)	(3) ROLE
	KCI Technologies, Inc.	Fort Lauderdale, FL	Prime

G. KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS

26. NAMES OF KEY PERSONNEL (From Section E, Block 12)	27. ROLE IN THIS CONTRACT (From Section E, Block 13)	28. EXAMPLE PROJECTS LISTED IN SECTION F (Fill in "Example Projects Key" section below before completing table. Place "X" under project key role number for participation in same or similar role.)									
		1	2	3	4	5	6	7	8	9	10
Benjamin Hoyle, PSM	Project Manager	●	●	●	●	●	●	●	●	●	●
Newton Mendoca, PSM	Project Surveyor		●	●			●				
Aleksandr Bridwell	Survey/LiDAR Analyst	●	●	●	●	●	●	●	●	●	●
Chris Widmer	LiDAR Analyst	●									
Darian Grant	Survey Technician	●	●	●	●	●	●	●	●	●	●
Gregory Spicer	Survey Technician	●	●	●	●	●	●	●	●	●	●
Roberto Mendez	Survey Technician	●	●	●	●	●	●	●	●	●	●
Sean Baas	Survey Technician	●	●	●	●	●	●	●	●	●	●
Irvin Matute	Survey Technician	●	●	●	●	●	●	●	●	●	●
Hane Ebrahim	Survey Technician		●		●		●				

29. EXAMPLE PROJECTS KEY

NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)	NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)
1	Stormwater Utility and Master Island Survey, Village of Key Biscayne	6	Design and Permitting Services for Curtis Street Sidewalk Improvements
2	SR 817/University Drive from Southgate Boulevard to Ramblewood Drive	7	Design and Permitting for Southbend Blvd. Sidewalk Improvements,
3	City of Riviera Beach Continuing Survey Services Contract	8	Design and Permitting for Paar Drive Sidewalk Improvements
4	City of Miami Beach, Miscellaneous Survey and Mapping Services Contract	9	Sportsman's Park Boundary & Topographic Survey and Final As-Built Survey
5	City of Miami Miscellaneous Survey and Mapping Services	10	Design and Permitting Services for Thornhill Drive Sidewalk

H. ADDITIONAL INFORMATION

30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACH ADDITIONAL SHEETS AS NEEDED.

INNOVATION AND TECHNOLOGY

The KCI team believes in driving change through the development and application of innovation with an adventurous spirit. Our employees have the freedom to take risks and explore opportunities to help our clients serve their constituents, enhance their communities and achieve their goals. Exploration is encouraged, and an entrepreneurial mindset is at the foundation of our culture.

SUBSURFACE UTILITY ENGINEERING (SUE)

KCI's SUE division delivers quality, accurate mapping of existing underground utilities to avoid costly utility conflict or construction delays caused by unknown or misrepresented utilities. Led by SUE professionals and supported by engineers, designers, inspectors, and surveyors, KCI's SUE division finds practical, cost-effective solutions to project challenges in the rapidly advancing and sometimes volatile utility environment. KCI has been successful in reading markets and honing experience to help clients take advantage of new technologies.

Utility Quality Level A (QL-A) Designating and Locating. Precise horizontal and vertical location of utilities obtained by the actual exposure and subsequent measurement of subsurface utilities, usually at a specific point, i.e., designation in conjunction with locating. Minimally intrusive excavation equipment (vacuum excavation) is typically used to minimize the potential for utility damage. A precise horizontal and vertical location, as well as other utility attributes, if possible, are surveyed and reduced onto plan documents. Accuracy is typically set at 0.5 inches (15mm) vertically and to applicable horizontal survey and mapping standards as defined or expected by the project owner.

Utility Quality Level B (QL-B) Designating Only. Information obtained through the application of appropriate surface geophysical methods, i.e., utility designation, to identify the existence and approximate horizontal position of subsurface utilities. QL-B data are reproducible by surface geophysics at any point in their depiction. This information is surveyed to applicable tolerances defined by the project and reduced onto plan documents.

Utility Quality Level C (QL-C). Information obtained by surveying and plotting visible above-ground utility features and by using professional judgment in correlating this information to QL-D information.

AM GRADIOMETER TECHNOLOGY (AMG)

Accurate detection of underground infrastructure and buried anomalies (e.g., utilities, substructures, and sinkholes) continues to be a significant issue for design and construction projects worldwide. Conflicts with unmapped or abandoned utilities can be deadly to field crews and the public. Even when not catastrophic, these incidents often result in significant delays in project schedules and added costs.

WHAT IS AMG AND HOW IS IT DIFFERENT?

AMG is a state-of-the-art non-destructive geophysical technique that uses electromagnetic radio waves such as high-power AM- band from radio station towers as free and abundant energy to effectively "illuminate" or identify underground utilities and substructures of moderately low to high electrical conductivity.

The system consists of three-receiver antennas (frequency ranging from 200 KHz to 1 MHz), electronics for data acquisition, a GPS, and a total station. AMG is configured to operate at various depths based on the antenna spacing. The device uses two available AM-Band radio station towers, which can be located miles from the site, as transmittal frequencies for subsurface illumination.

AMG is generally passive, meaning it does not transmit any signals of its own—it only receives them—and operates at very low frequencies relative to popular geophysical scanning tools. Unlike other methodologies, the technology has the ability to penetrate and collect data through concrete, pavers, rebar, and asphalt and is not limited by subsurface conditions, such as high clay content or high moisture content. AMG technology can locate buried utilities and substructures at depths of up to 30 feet (or more with further adjustments), which is much deeper than other available techniques.

In general, AMG scanning can detect the following subsurface infrastructure and anomalies:

- Electrical conductors (any type)
- Metal pipes, regardless of contents

H. ADDITIONAL INFORMATION

30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACH ADDITIONAL SHEETS AS NEEDED.

- Non-metallic conduits (fluid filled)
- Liquid or air-filled void space (including subsidence/sinkholes)
- Natural gas or fuel lines
- Brick/concrete sewer lines
- Shielded fiber optics cable
- Hydrocarbon or saline moisture plumes

KCI's experienced professional geotechnical, geophysicists, and subsurface utility engineers utilize non-destructive (NDE) technologies and geophysical techniques, including traditional electromagnetic (EMs), GPR systems, and AM-band electromagnetic gradiometry (AMG) to detect and delineate underground anomalies, such as utilities, substructures, hydrocarbon plumes, and cavities/ sinkholes. A combination of these technologies allows our team to address the complexity of varying utilities, geological and soil conditions, environmental conditions, pipe sizes and depths, and operation below ground.

The benefits of AMG technology include the following:

Data: Provides much more data (alignment, location & depth up to 30 to 50 feet) vs. other available geophysical techniques or typical Quality Level B subsurface utility locating.

Depth: Provides estimated depth that cannot be determined through traditional locating methods or GPR, which is highly dependent on the subsurface soil condition.

Penetration: Does not have limitations in areas beneath reinforced concrete or soil with clay or high moisture.

Identification: Detects unknown or abandoned infrastructure in addition to live assets (AMG can identify underground utilities not detected by traditional locating and not available on existing plans).

Reduction in Required Test Holes: Allows pinpointing of vacuum excavation, thus reducing associated time, costs, and impacts on traffic.

Risk Management: Provides another level of confirmation, discrimination, quality control, and mitigation of risk.

Materials: Can detect a pipe regardless of its material type or changes (e.g., metal-to-plastic transition) and is not dependent on tracing wires or conductive tape (AMG is highly effective at locating pipe-junctions that are possible points of leakage or failure).

Additional Resources:

- Two Jon Boats with outboard engines
- Remote Controlled boat
- 16' Pontoon Boat
- Four ATV's
- In-house Arborist and GIS services

I. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

31. SIGNATURE

32. DATE

9/22/2023



33. NAME AND TITLE

Bruce Reed, RLA, Regional Practice Leader/Vice President



TAB 2

METHODOLOGY/ APPROACH

2

METHODOLOGY/APPROACH

The KCI team will be available to undertake the necessary tasks the City of Port St. Lucie requires and is committed to completing the work and tasks necessary to meet the scope requirements of the program. Our key personnel will be ready to respond to the City's needs from the initial request for a proposal throughout the entire duration of every project assignment. We understand the overall intent of this solicitation, and our basic method for completing task assignments under this contract includes the following approach.

KCI may be called upon to provide support information to aid in the development of projects regarding cost-effectiveness, scheduling, providing additional in-house services or subconsultant services to assist in the completion of an assigned project, assisting in studies and reports on potential projects, attending meetings, perform presentations in City meetings, provide status reports, provide legal surveys and expert witness testimony, and perform field and office survey services to prepare drawings. Deliverables will be made in any format specified, meeting the City's expectations.



Project Set-Up and Research. Upon receipt of work order requests from the City, KCI's Project Manager, Benjamin Hoyle, will prepare work order estimates, including confirmation of scope, proposed schedule, and man-hour estimates. Work order estimates will be prepared on a timely basis in accordance with the City's request and submitted for review and/or comment. Upon receipt of a written notice to proceed or a letter of authorization, KCI will attend a kick-off meeting between City staff and the KCI team, if required. Our professionals will confirm the project schedule for all activities. This schedule is based on the project scope, site conditions, deliverables, and immediate staffing availability. Our field and office staff will meet with the project manager to discuss the scope of the project to confirm that our survey efforts are on track, as well as to assign duties and review project specifications.

The KCI Project Manager conducts the necessary research for the project task assignment. This research effort may include collecting and/or reviewing the following information:

- City-provided project information;
- Company records for any previous connections to the project;
- City, district, and other governmental agency files such as FDOT, SFWMD, and FDEP;
- Recorded information available through public records searches; and
- Additional information that may be obtained from other professional surveyors.



Preliminary Site Visit. The KCI team will perform site visits to visually determine issues and site constraints. The site visit may reveal certain problem areas or cost-saving opportunities that may not have been accounted for without an actual field visit. Photos will be taken, and notes will be made on mark-ups of aerial images.



Field Surveying Workflow. Our Project Surveyor, Newton Mendonca, is responsible for scheduling, monitoring, and reviewing all field activities under the direction of the survey team. Specifically, the project manager will:

- Initiate all field efforts;
- Schedule field activities;
- Review safety issues/concerns with field crew personnel;
- Conduct daily reviews of project data;
- Confirm accuracy and completeness; and

METHODOLOGY/APPROACH



The projects were completed on time, within budget and were an overall success due to the positive partnership we found with KCI. We highly recommend KCI Technologies, Inc. as the Survey and Mapping consultant for any municipal project. - Elizabeth Estévez, Parks Capital Projects Manager, City of Miami Beach



- Supervise crew download field data collection.

Field surveys are carried out using state-of-the-art data collection platforms and techniques. Conventional data collection may include robotic total stations along with GPS and electronic data collectors with data collection software that allows customization of point codes and output to meet the City's specifications. Remote sensing data collection techniques include using our Unmanned Aerial Vehicles (UAV) drones, terrestrial scanners, or handheld portable scanners, all capable of collecting vast amounts of data in a small fraction of the time.

Our technology permits the field crews to transmit data and photographs remotely to our office staff when expediency is critical to meet the assignment's goals or when specific circumstances

arise that may require additional troubleshooting or data adjustments on the fly. It is through flexibility and appropriate use of technology that increases productivity and accuracy, delivering a high-quality product on time and within budget.

The data obtained in the field by GPS, total station equipment, TDS data collection system, or mobile and terrestrial LiDAR will be processed and checked by Mr. Newton Mendoca before it is turned over to the office survey department for final preparation of the survey. The surveying software will utilize City field codes and block definitions. Quality control reviews are conducted at various stages of the project. Mr. Benjamin Hoyle will follow up with a final review, providing high-quality presentations with the delivery of each assignment.



Office Survey Procedures. The complete field survey data is typically delivered to the Mr. Newton Mendoca in person by the field crew party chief, where a full debriefing report is given. The data is turned over to the office staff for calculations, processing of field to finish data, and extraction from points to produce survey drawings and drawing files. All data processing functions and procedures are supervised by a Professional Surveyor and Mapper. Mr. Benjamin Hoyle confirms established procedures and QC checklists are completed as the work progresses.



Quality Assurance and Quality Control (QA/QC). KCI is certified to the ISO 9001:2015 standard. ISO is a widely recognized international standard for quality management systems (QMS). Unique for its mandatory internal auditing program, the ISO standard requires the continual evaluation of all business processes to provide objective measures of performance and improvement. In addition to requiring ongoing internal audits, ISO certification requires annual third-party audits by an independent certification body.

At the project level, we believe quality control is a performance issue. Delivery of quality products is the expectation of all owners hiring consulting firms. We understand that process never replaces the actual performance of quality of traditional surveying and mapping services, LiDAR, BIM, GIS services, SUE services, along with terrestrial/mobile scanning, and GPS services. However, record-keeping and documentation of quality control are paramount for communication of this performance. Our staff will provide Quality Assurance Management on our task assignments. These team members' main function is quality assurance - to manage, track, and report on quality control tasks - which benefits the City by confirming that the Quality Control Plan is followed, thereby eliminating potential conflicting priorities due to workload or otherwise.



METHODOLOGY/APPROACH

Our Quality Control Plan establishes policies, procedures, and protocols that are implemented independently of KCI's Project Manager, as well as the survey/GIS/SUE staff, so that the work is completed accurately; responds to City and State requirements; and provides a means to verify and validate compliance for GIS, design, and construction activities. Our plan emphasizes thorough and traceable documentation demonstrating our quality performance.

KCI takes great pride in the fact that we have provided professional survey and mapping services for nearly half a century. Important to this long-term success is effective project management and QA/QC, which includes four key principles:



A specific QA/QC plan will be developed for each project assigned under this contract. This plan will be reviewed fully with all team members. KCI is committed to maintaining the highest quality standard for all assignments under this contract and is committed to meeting the City guidelines. All work will be reviewed by Mr. Benjamin Hoyle for completeness and compliance with scope and standards prior to any submittals. The KCI QA/QC program is performed using our best professional judgment and industry standards. We will uphold these practices by providing constant communication with the City. We will maintain project logs, correspondence, and survey/mapping file databases. Our quick turnaround capability and dedication to completing the task are a result of our ability to adapt our team schedule to work nights, weekends, and holidays. This unique trait sets us apart from our competitors because we can service the City with an extremely quick response to field and office needs to prevent design and construction delays.

Quality Control. Each work order will be provided with a tailored QA/QC plan that details requirements for the following:

- **Schedule.** Our schedules highlight the QC process and design/construction development timelines around those appropriately needed for internal and external reviews. This enables the Project Manager and all checkers and reviewers to clearly understand the timing and duration of reviews.
- **Check and Review Staffing.** Appropriate levels of all checks and reviews are implemented. For each task order, a staffing plan developed by Mr. Benjamin Hoyle is assembled to identify checkers and senior reviewers who will conduct independent reviews of all documents to verify the facts and judgments presented in deliverables,

They were professional, knowledgeable, and always approachable as we went through the give and take of what we wanted to do, versus what was feasible and appropriate. Key to that communication was their willingness to listen to our ideas and to incorporate them into the project plans. They also provided numerous and productive suggestions that we would not have otherwise considered. These have been an overall success due to the positive partnership we found with KCI. - Jake Ozyman, MSCM, PE, PMP, ENV SP, CFM, Director of Building, Zoning, Planning & Public Works, Village of Key Biscayne

METHODOLOGY/APPROACH

the product's adherence to FAA, State, and City guidelines, and the maintenance of QC records.

- **Plans and Specifications Review Checklists.** We maintain survey/LiDAR/GIS/photogrammetric/SUE review checklists for each major phase of project development. The Project Manager confirms that the process is implemented. Review checklists, marked-up check prints, and comment forms are kept on file for easy accessibility.
- **Cross-Discipline, Environmental Compliance, and Constructability Reviews.** Reviews are performed before the submittal of milestone deliverables to verify compatibility between disciplines and that designs are constructible and can be permitted. Checklists, certifications, and comment forms are also completed for these reviews as necessary.

SURVEYING AND MAPPING

KCI's staff and crews are experienced with road right-of-way surveys, determining roadway alignments and preparation of topographic surveys, utility surveys, roadway cross sections, and as-built surveys, as well as plat preparation and review per Florida Statute Chapter 177, horizontal and vertical geodetic control, canal and embankment cross-sections and profiles, right-of-way mapping, preparation of elevation certificates, Digital Terrain Models (DTM), American Land Title Association surveys (ALTA/ NSPS), wetland/mitigation surveys, expert witness testimony, construction surveying, preparation and review of metes and bounds legal descriptions and exhibits, sketch of descriptions for easement creation, volume calculations, hydrographic/bathymetric surveys, underground utility direction, AutoCAD drafting, and other survey and mapping related services. KCI understands that with successful completion of each assignment will lead to additional assignments under this contract. At KCI, we are accustomed to aggressive and realistic schedules. Through experience, we know it might be necessary to expedite certain projects or specific tasks. With multiple field crews and licensed professionals, work will begin on each assignment immediately upon receipt of notice to proceed and see it through to completion. Our professional team of surveyors and mappers is prepared and immediately available to meet all of the City's survey needs.



LiDAR TECHNOLOGY

Developed in the military, a technology called LiDAR (Light Detection and Ranging) has now become the “go-to” method to collect geospatial data. LiDAR is a pulse firing at up to 500,000 points per second from powerful lasers mounted on vehicles and tripods. Soon after these systems were developed and became mainstream, members of the KCI survey department were using them to collect data across the East Coast, throughout Florida, and including projects out to Missouri and Texas. An advantage of LiDAR is that it is much better at penetrating foliage and trees to map the ground. Continuing to improve over time, these systems are still one of the greatest ways to collect high-quality geospatial data. This method also requires ground control but fewer targets than traditional aerial mapping systems need. With these systems, the density of the data collection is far advanced.



The standard for collecting with LiDAR is to have 10 to 20 points per square meter on the ground. This process provides excellent results for topography. In addition to mapping thousands of acres of city and state projects, these systems are

METHODOLOGY/APPROACH

excellent at mapping road corridors. They can precisely map ten to 50-mile road projects. This method is the workhorse of transportation departments across America.

LiDAR mapping systems have a much higher precision than the traditional mapping system. Using systems mounted on helicopters, dense data sets can be collected, and the quality of data is exceptional. In open areas and hard surfaces, ¼-inch to ½-inch accuracy is achievable using high-precision ground control. The advantage that KCI brings is our expertise and long experience working with LiDAR data. We are capable of producing data sets and manipulating the data to get excellent results on many different types of projects. Heat maps are a beneficial way to detect elevation changes as well as wet areas.

KCI can provide point clouds and other information in 3D data viewing platforms such as Leica JetStream and Autodesk ReCap. Both are viewing platforms that allow users to travel through the point cloud, view spherical photography, and take measurements. Thus, the user can virtually visit the scanned area at any time from the office. Both software platforms are free for basic use but allow users to purchase subscriptions that unlock powerful advanced features, such as importing and exporting sections of the point cloud.

As these technologies advance, powerful new applications such as Cintoo allow end users to integrate 3D data, display and produce various deliverables, and collaborate in unprecedented ways. KCI can produce data that will seamlessly integrate into these platforms.

MOBILE LiDAR

KCI owns and operates a state-of-the-art RIEGL VMX-2HA mobile LiDAR 3D laser scanner. The scanner is comprised of two RIEGL VUX-1HA High Accuracy LiDAR sensors and a high-performance INS/GNSS unit. A camera system to complement LiDAR data with precisely georeferenced images employs up to nine cameras, which can be independently positioned to focus on the most important areas to capture. Additionally, a FLIR Ladybug 5+ panorama camera captures spherical photography at the same time so that any area of the project can be viewed remotely from the office. The benefits of mobile LiDAR are tremendous, including the following:

- Quick turnaround, capturing 10 miles or more data per day.
- Improved safety by decreasing the time crews spend within the project roadway.
- Comprehensive coverage nearly eliminates costly return trips.
- Great archival tool for later modifications.
- Accurate locational data to 1/10 of a foot or better with use of survey grade control.
- Data is generated in 3D, so there is no need for conversions from 2D.
- Collection of data up to highway speeds.
- Collects 1,000x more data in less than 10% of the time taken for traditional collection methods.
- Collects both GIS and survey data.
- Can be used to QC other sources (airborne LiDAR, GIS, orthoimagery).
- Can be used in emergency response for both emergency and tactical planning.
- Obtains data under canopies or overhead obstructions, low cloud ceilings that can interfere with aerial data capture.

It has been a pleasure working with KCI on the Sportsman's Park Project. They have been very diligent with following up to provide all deliverables as needed. - Kelly Boatwright, CPRP, Parks Administrator • Parks & Recreation Department City of Port St. Lucie, FL.

Workflow. Mobile LiDAR projects require advanced planning to

METHODOLOGY/APPROACH

confirm quality data capture. The steps involved in a successful project are typically as follows:

- Mission plan mobile LiDAR mission and determine optimal collection window, considering factors such as SV geometry, PDOP, and daily traffic volumes.
- Mobilize to the project site.
- Setup local GNSS GPS base stations on pre-established survey control.
- Collect mobile LiDAR data within the limits as established.
- Provide QA/QC on collected data.
- De-mobilize from project site.

Post-Processing. Since the mobile unit captures an enormous amount of data, post processing for the optimum deliverables is critical. KCI employs experienced surveyors and technicians to apply strenuous QA/QC protocol on every project. The typical post processing workflow follows:

- Process all mobile LiDAR trajectories.
- Process trajectories to CORS (if available) and local GNSS base stations for blunder detection and QA/QC.
- Final trajectories will be processed to the local GNSS base stations.
- Control trajectory to targets as laid out in the provided DC Targeting Plan.kml.
- Export the LiDAR to .LAS file format.
- Export the Imagery to Web-based index.
- Complete the processing of all LiDAR and imagery data to the final trajectory solution to create 3D datasets.

Ultimately, KCI will produce the data in the format that the end user desires. The raw data, generated point cloud, photography, and videos collected by the mobile unit are all deliverables within themselves. However, KCI can generate planimetrics, contours, CAD/BIM files, and even augmented and virtual reality views of the areas scanned.

TERRESTRIAL LiDAR

KCI currently has twelve terrestrial LiDAR systems and one mobile unit. These use the same type of laser LiDAR collection as the mobile unit, but the system is typically mounted on a tripod. It allows us to go into highly dense areas and map precisely. A typical use of this technology would be mapping significant intersections for engineering purposes. We can map in a few hours, while traditional surveyors may take several days.

We bought our first system in 2005 and have traveled the United States working for many clients using the technology. Working with transportation departments, we documented bridges all over the Southeast using this type of LiDAR. These systems were also used to document the failure sequence of bridge collapses in Miami and St. Louis.

DRONES - UNMANNED AIRCRAFT SYSTEMS

Deployment of unmanned aircraft systems (UAS) or drones can offer efficient, safe, and highly accurate methods for collecting visual, remote sensing, and survey data. KCI maintains a fleet of the latest drone and camera systems that allow our team to safely capture video, high-resolution photography, and survey-grade data for large sites in a fraction of the time that it would take using conventional methods. Using drones as part of a comprehensive



METHODOLOGY/APPROACH

approach to surveying, condition inspection, and data collection can create both cost and schedule efficiencies.

The accuracy of the UAS project files highly depends on flight, environmental, and site conditions, which include lighting, weather, shadows, and tree cover. Our approach combines UAS data collection with survey control and supplemental traditional ground surveying to obtain the highest accuracy possible. Designers and technicians then create a color point cloud, 3D reality mesh, and a scaled ortho-rectified image.

The point cloud and reality mesh allow our clients to visualize the project, can be employed from the planning phase through construction, and can be useful in documenting progress through completion.

Utilizing both drone and laser scanning equipment, our team also can combine terrestrial base scanning with UAS-collected point cloud data to create one overall seamless 3D reality scene. Each drone is equipped with an advanced stereo vision positioning system that affords precise hovering and safer operation, along with “Intelligent Flight Positioning” hardware that connects to both GPS and GLONASS satellites for extreme accuracy in the air. Collision avoidance detection equipment mounted on the craft senses and avoids obstacles.

These safety features, coupled with our trained and federally-certified UAS pilots, help our teams capture the needed data in the safest, most time-efficient method possible.



DRONES FOR SURVEY

From high accuracy survey and LiDAR to digital imagery for inspection, KCI utilizes unmanned aircraft systems (UAS) or drones to collect data. Drones are often safer and less expensive than deploying multi-person field crews and can be equipped with a variety of sensors that can take close-range video as well as thermal and infrared imagery. Larger platforms can also collect LiDAR data from much lower altitudes and at closer range than conventional aircraft.

Our team includes FAA Part 107-certified pilots with the knowledge and experience to navigate air traffic zones and produce highly accurate aerial documentation and data collection.

Using drones for land surveying is a relatively new technique, but the science behind it is as old as surveying itself. Using photogrammetry to extract 3D linework is nothing new; the main change is the equipment that is used. In the past, surveyors would have to contract out a full-sized fixed wing aircraft or a helicopter to collect the data, but now can use a smaller UAS for rapid deployment. This now allows for the use of technology in areas that were previously too remote and/or costly.

Digital imagery has come a long way in the past decade. With the ability to collect images up to 60mp in a small format digital SLR camera, we are now able to decrease our ground sampling distance (GSD). This allows surveyors to be able to register the imagery more accurately



Scope of services submitted was thorough and complete, as well pricing was correct based on the scope. The finished product is very good - Terrence Bailey, PE, Director of Public Works, City of Riviera Beach



METHODOLOGY/APPROACH



to known ground control. This relates to accuracies in the +/- 1 to 2 inches. With these advances, we are now seeing this technology being used more and more. To be able to have high-resolution imagery for a project or for calculating volumetrics for cut and fill on stockpiles, the UAS has become a great tool in the surveyor's arsenal.

The main aspect to note is that safety is always paramount. While the technology is a great tool, it should only be used when we can confirm the safety of the site. We do this by researching FAA air traffic zones and being proactive with detailed pre- and post-flight safety checklists. A safe project is a successful project.

HYDROGRAPHIC SCANNING

The HyDrone-RCV™ is a one-man portable, remotely controlled catamaran platform developed for hydrographic survey applications. Working in conjunction with the HydroLite-TM™ single-beam or HydroLite-DFX™ dual frequency portable echosounder kit, the HyDrone accomplishes the same result as a traditional survey in less time while keeping the crew out of the water. This equipment allows for quick mobilization and no need for boat launch locations.



METHODOLOGY/APPROACH

Regardless of the project scope, size, or complexity, there are common practices that move projects forward by coordinating and expediting elements while providing high quality. KCI has invested significant time in training Project Managers to value, learn, and apply these practices. That is the basis of our Project Delivery System, which is what our project managers use to deliver successful, well-coordinated, and fast-paced projects.

When a schedule changes or the scope of work changes but the schedule does not, there are consequences. Our staff is accustomed to juggling multiple assignments at once and thrives on working in a busy environment. Our staff are conditioned to recognize that peak production times may require longer workdays, but we also recognize that working longer hours is not always the answer to efficient project delivery. Our workload management and forecasting tools— combined with our large staff pool and culture of flexibility and responsiveness—allow us to successfully respond to changing conditions to meet schedule while maintaining quality. We understand that the efficient management of project costs is a priority for the City. We will follow the process outlined below to achieve cost-effective project delivery for this contract.

Preparing Clear and Thorough Budgets. To start with, our budgets are established by experienced project managers and discipline leads who have extensive experience delivering survey, LiDAR, GIS, photogrammetric, and SUE projects. Budgeted hours are clearly linked to scope tasks and a deliverable outcome. Drawing on our experience with other City projects and similar work, we establish realistic budgets that are not over-inflated to hide internal contingencies or under-inflated due to inexperience in an area. Our Project Managers and surveyors routinely work with City Project Managers to review the scope and budget for completeness and clarity of the tasks to be performed. At the end of our scoping/budgeting process, all parties have a clear understanding of the full scope of work and buy-off on the level of effort required.

Utilizing Our Deep Staffing Bench. KCI has competent staff at a variety of levels in all services required under this solicitation and a culture of task delegation. The senior staff sets directions for junior staff to perform. We can leverage our senior staff to use their time on the highly technical items and have our junior staff perform the more transactional activities such as the initial field reviews and day-to-day, onsite monitoring of field crew activity more efficiently.

Knowing Decision Making Process. When an issue arises that moves beyond a simple technical solution, KCI has the expertise to create a fair and transparent decision-making process to quickly and efficiently reach a decision that leaves stakeholders, community members, and agencies satisfied with the outcome.

Communicating and Adding Oversight on Key Tasks. To be efficient, it is imperative to keep all disciplines and subconsultants from going down the wrong path. KCI Project Managers and surveyors provide clear direction to the team on a regular basis through scheduled project meetings, over-the-shoulder reviews of work progress, timely distribution of client meeting minutes, and other check-ins with team members to eliminate confusion and costly misdirection.

Budget Tracking. Another way that KCI Project Managers provide cost-effective delivery is to conduct regular monitoring of project financials using robust project accounting tools (Oracle). All project time and expense charges are recorded and uploaded by the end of each week. This provides the project managers and surveyors with up-to-date project information on a weekly basis regarding who is charging for projects and the ratio of percentage complete to budget spent. Project managers are also required to prepare monthly “estimates to completion” for projects so that project/budget issues can be identified early.



TAB 3

CERTIFIED MINORITY BUSINESS ENTERPRISE

3

CERTIFIED MINORITY BUSINESS ENTERPRISE

KCI is not a Certified Minority Business Enterprise.



TAB 4

ADDITIONAL REQUIRED PROPOSAL FORMS

4

ADDITIONAL REQUIRED PROPOSAL SUBMITTAL FORMS

ATTACHMENT B - E-RFP #20230097

CONSULTANT'S GENERAL INFORMATION WORK SHEET E-RFP #20230097

It is understood and agreed that the following information is to be used by the City to determine the qualifications of prospective Consultant to perform the work required. The Consultant waives any claim against the City that might arise with respect to any decision concerning the qualifications of the Consultant.

The undersigned attests to the truth and accuracy of all statements made on this questionnaire. Also, the undersigned hereby authorizes any public official, Engineer, Surety, bank, material or equipment manufacturer, or distributor, or any person, firm or corporation to furnish the City any pertinent information requested by the City deemed necessary to verify the information on this questionnaire.

Dated at Fort Lauderdale, FL, this 6 day of September, 2023
(Location)

Name of Organization/Consultant: KCI Technologies, Inc.

By: Bruce Reed, RLA | Vice President
Name and Title

1. Corporation, Partnership, Joint Venture, Individual or other? Corporation

2. Firm's name and main office address, telephone, and fax numbers

Name: KCI Technologies, Inc.

Address: 1425 W. Cypress Creek Rd. Suite 101

Fort Lauderdale, FL 33309

Telephone Number: (954) 839-6697

Fax Number: N/A

3. Contact person: Benjamin Hoyle, PSM Email: benjamin.hoyle@kci.com

4. Firm's previous names (if any): Matz Childs and Associates, MCA Engineering Corp., Albert B. Gipe and Associates, Inc., Wilson-Magruder-Webb-Ratych, Inc., Kidde Consultants, Inc., and Hanson Industries

5. **ADDENDUM ACKNOWLEDGMENT** - Bidder acknowledges that the following addenda have been received and are included in its proposal/bid:

Addendum Number	Date Issued	Addendum Number	Date Issued
Addendum No. 1	9/14/2023		

6. List any lawsuits pending or completed within the past five (5) years involving the corporation, partnership or individuals with more than ten percent (10 %) interest:

ADDITIONAL REQUIRED PROPOSAL SUBMITTAL FORMS

ATTACHMENT B - E-RFP #20230097

Please see the pages following this form for KCI's 5-year litigation history.

(N/A is not an acceptable answer - insert lines if needed)

7. List any judgments from lawsuits in the last five (5) years:

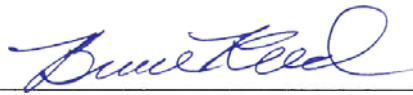
Please see the pages following this form for KCI's 5-year litigation history.

(N/A is not an acceptable answer - insert lines if needed)

8. List any criminal violations and/or convictions of the Proposer and/or any of its principals:

KCI, nor its principals, have any criminal violations and/or convictions.

(N/A is not an acceptable answer - insert lines if needed)



Signature

Bruce Reed, RLA | Vice President

Title

ADDITIONAL REQUIRED PROPOSAL SUBMITTAL FORMS

5 YEAR LITIGATION SUMMARY – OPEN AND CLOSED – PROFESSIONAL

- **July 2018 – The Helga R. Shay Revocable Trust, etc., PLTIF vs. March-Westin Company, Inc. / DFTS / KCI Technologies, Inc. / et al**
Case No: 18-C-64
Jurisdiction: Monongalia County, Circuit County, West Virginia
Status: Settled August 2019

This was a property damage claim. WVU College Park project was a fast-paced multi-building student housing project. Retaining wall on site had slipped and caused impact to properties below the wall. KCI did not design the retaining wall and was not the geotechnical engineer. KCI also did not approve the retaining wall shop drawings/calculations.

- **December 2018 – Alexander D. Kunkel vs. KCI Technologies, Inc. / Brian Leslie Watkins, PE / Pennsylvania Department of Transportation (PENNDOT) / Bridgestone Americas, Inc.**
Case No: 000427
Jurisdiction: Court of Common Pleas Philadelphia County
Status: Open

This is a professional liability claim. Plaintiff was a passenger in a car with six other occupants and half of the passengers were not wearing seatbelts. The driver wrecked the vehicle which overturned and landed on the roof. The plaintiff received multiple injuries including permanent paralysis from the waist down. The accident occurred in a traffic work zone designed by KCI. The driver plead guilty to recklessly endangering another person in addition to other related offenses. KCI was a sub consultant to URS Corporation (now AECOM) for this project.

- **December 2018 – Jesco, Inc. vs. KCI Technologies, Inc.**
Case No: C-08-CV-18-001151
Jurisdiction: Circuit Court for Charles County, Maryland
Status: Settled February 2021

This was a professional liability claim. Jesco entered into an agreement to purchase a property with the intent of constructing a two-story commercial building, parking areas, and access roads. KCI performed limited geotechnical investigations for Jesco. Based on KCI's findings, Jesco purchased the property. Jesco claimed there were defects and faults in the report and that Jesco incurred losses, costs and expenses as a result.

- **February 2020 – Chasity Jackson & Chris Jackson, et al vs. Metropolitan Government of Nashville & Davidson County, Tennessee / KCI Technologies, Inc. / Stansell Electric Company**
Case No: 19C-725
Jurisdiction: Circuit Court of Davidson County Twentieth Judicial District of Tennessee

As of August 2023

ADDITIONAL REQUIRED PROPOSAL SUBMITTAL FORMS

Status: Settled November 2020

This was a professional liability claim. Chasity Jackson passed through an intersection and her car ran over the edge of a concrete median that had been recently constructed. The island was not constructed in accordance with KCI's design.

- **April 2020 – George Powell vs. City of San Marcos / 2202 Hunter Road Inv. LP / Don Durden, Inc., DBA Civil Engineering Consultants (CEC)**

Case No: 19-3078

Jurisdiction: San Marcos, Texas

Status: Settled December 2022

This was a professional liability claim alleging negligence on the part of CEC as well as the other defendants. Plaintiff claimed the design of a detention pond caused flooding and damage to his property.

- **June 2020 – Jennifer Nicole Moon, Individually and as Administrator of the Estate of Gregory Moon, Deceased, et al vs. Pittman Construction Company / Middle Georgia Paving, Inc / KCI Technologies, Inc. / Georgia Department of Transportation**

Case No: 20CV0399

Jurisdiction: Superior Court of Jackson County, Georgia

Status: Settled November 2021

This was a professional liability claim that resulted in a wrongful death of Gregory Moon who was driving his 2016 Harley Davidson motorcycle on SR 11 (US-129) in Jackson County, Jefferson, Georgia toward the intersection of Wayne Poultry Road on his way to work on June 7, 2018 at 5:30 am. When attempting to change lanes from the right lane into the left lane, Mr. Moon's motorcycle hit steep uneven pavement causing him to lose control. Mr. Moon died on June 13 as a result of his injuries. KCI was hired to perform inspection and supervisory work associated with the paving project.

- **November 2020 – Ronald Thomas and Tamara Thomas vs. South Carolina Department of Transportation, et al**

Case No: 2019CP3201072

Jurisdiction: State of South Carolina, County of Lexington

Status: Dismissed January 2021

This was a professional liability claim related to a personal injury due to failure to maintain premises in a safe condition. The motorcycle accident occurred on May 19, 2017. In an attempt to switch lanes to avoid uneven payment in the right lane, the plaintiffs struck uneven payment in the left lane, which caused them to lose control of the motorcycle and wreck.

- **December 2020 - Susan Galloway, Personal Representative of the Estate of William Andrew Galloway, Deceased vs. Blythe Construction, Inc. / Stay Alert Safety Services, Inc. / South Carolina Department of Transportation / KCI Technologies, Inc. / Infrastructure Consulting & Engineering**

Case No: 2019-CP-42-04336

As of August 2023

ADDITIONAL REQUIRED PROPOSAL SUBMITTAL FORMS

Jurisdiction: State of South Carolina, County of Spartanburg

Status: Dismissed January 2023

This is a professional liability claim related to a fatal car accident that occurred on December 14, 2017. Due to limited vision created by a drop-off in the interstate road, Mr. Galloway was unaware that traffic was stopped ahead. Mr. Galloway was unable to stop to avoid colliding with a stopped vehicle directly ahead of him. He struck the vehicle resulting in serious injury and death.

- **November 2021 – Edward Zambito and Linda Zambito, both Individually and as the Co-Executors of the Estate of Allie Rose Zambito, Deceased vs. A-Del Construction Co, Inc. / Jonas Stoltzfus t/a Stoltzfus Meats & Deli / Neal Toros / KCI Technologies, Inc.**
Case No: 210600429

Jurisdiction: Court of Common Pleas Philadelphia County

Status: Open

This is a professional liability claim related to a pedestrian death that occurred on June 21, 2019. KCI provided inspection services to DelDOT at the intersection site. A female pedestrian attempting to cross the street at the intersection was struck and killed by a vehicle owned and operated by two other defendants.

- **November 2021 – Sheldon Powell v. Sheldon Miner, / Mumford and Miller Concrete, Inc. / KCI Technologies, Inc.**
Case No: N20C-12-149 MMJ

Jurisdiction: In the Superior Court of the State of Delaware

Status: Open

This is a professional liability claim. Plaintiff was a passenger in a vehicle traveling through a construction zone on December 17, 2019. The vehicle allegedly drove through mud on the road causing the vehicle to crash, thereby, injuring the passenger. Negligence is claimed by the Plaintiff.

- **April 2022 – Richard A. Brinkley v. Sheldon Miner / KCI Technologies, Inc.**
Case No: N21C-11-115 VLM

Jurisdiction: In the Superior Court of the State of Delaware

Status: Dismissed June 2023

This is a professional liability claim. Plaintiff was an employee of Mumford and Miller Concrete, Inc., working at a project site when he was allegedly struck by a vehicle driven negligently by Sheldon Miner on December 17, 2019. KCI was hired by DelDOT to perform inspection services.

- **September 2022 – UC Athletic, LLC v. McMillan Pazdan Smith, LLC / KCI Associates of North Carolina, P.A.**
Case No: 2021-CP-46-02683

Jurisdiction: State of South Carolina, County of York

Status: Open

As of August 2023

ADDITIONAL REQUIRED PROPOSAL SUBMITTAL FORMS

This is a professional liability claim. Plaintiff is a developer who hired the architect, McMillan Pazdan Smith who contracted with KCI for certain structural design services. UCA alleges a breach of duty of care and implied warranty against KCI.

- **February 2023 – Arthur Lee Adams, Jr. as Personal Representative of the Estate of Pamela Adams Powell v. SC DOT / Zachary Construction Corp. / Michael Baker International, Inc. / KCI / et al.**
Case No: C.A. No: 2022-CP-32-00121
Jurisdiction: State of South Carolina, County of Lexington
Status: Open

This litigation involves a fatality on I-20 of when a car was traveling on the shoulder of the highway as part of the maintenance of traffic pattern and a tree fell on the decedent's car during a high wind event. The accident occurred within the limits of the I-20 widening project and KCI was providing construction engineering and inspection services.

As of August 2023

ADDITIONAL REQUIRED PROPOSAL SUBMITTAL FORMS

ATTACHMENT B - E-RFP #20230097

NOTICE TO ALL PROPOSERS

*To ensure fair consideration is given for all Proposers, it must be clearly understood that upon release of the proposal and during the proposal process, firms and their employees of related companies as well as paid or unpaid personnel acting on their behalf shall not contact or participate in any type of contact with City employees, department heads or elected officials, up to and including the Mayor and City Council. The "**Cone of Silence**" is in effect for this solicitation from the date the solicitation is advertised on DemandStar, until the time an award decision has been approved by City Council and fully executed by all parties. Information about the Cone of Silence can be found under the [City of Port St. Lucie Ordinance 20-15, Section 35.13](#). Contact with anyone other than the Issuing Officer may result in the vendor being disqualified. All contact must be coordinated through Ms. Robyn Holder, Issuing Officer, for the procurement of these services.*

All questions regarding this Solicitation are to be submitted in writing to Robyn Holder, Procurement Manager with the Procurement Management Department via e-mail rholder@cityofpsl.com, or by phone 772-344-4293. Please reference the Solicitation number on all correspondence to the City.

All questions, comments and requests for clarification must reference the Solicitation number on all correspondence to the City. Any oral communications shall be considered unofficial and non-binding.

Only written responses to written communication shall be considered official and binding upon the City. The City reserves the right, at its sole discretion, to determine appropriate and adequate responses to the written comments, questions, and requests for clarification.

**NOTE: All addendums and/or any other correspondence before bid close date (general information, question and responses) to this solicitation will be made available exclusively through the [DemandStar's Website](#) for retrieval. All notice of intent to award documentation will be published on the [City Clerk's Website](#). Proposers are solely responsible for frequently checking these websites for updates to this solicitation.*

I understand and shall fully comply with all requirements of City of Port. St. Lucie Ordinance 20-15, Section 35.13.

Typed Name: Bruce Reed, RLA

Signed: 

Company and Job Title: KCI Technologies, Inc. | Vice President/Regional Practice Leader

Date: September 6, 2023

ADDITIONAL REQUIRED PROPOSAL SUBMITTAL FORMS

ATTACHMENT B - E-RFP #20230097



"A City for All Ages"

CONSULTANT'S CODE OF ETHICS

The City of Port St Lucie ("City), through its Procurement Management Department ("Procurement Management Department") is committed to a procurement process that fosters fair and open competition, is conducted under the highest ethical standards and enjoys the complete confidence of the public. To achieve these purposes, Procurement Management Department requires each vendor who seeks to do business with the City to subscribe to this Consultant's Code of Ethics.

- ◆ A Consultant's bid or proposal will be competitive, consistent and appropriate to the bid documents.
- ◆ A Consultant will not discuss or consult with other Vendors intending to bid on the same contract or similar City contract for the purpose of limiting competition. A Vendor will not make any attempt to induce any individual or entity to submit or not submit a bid or proposal.
- ◆ Consultant will not disclose the terms of its bids or proposal, directly or indirectly, to any other competing Vendor prior to the bid or proposal closing date.
- ◆ Consultant will completely perform any contract awarded to it at the contracted price pursuant to the terms set forth in the contract.
- ◆ Consultant will submit timely, accurate and appropriate invoices for goods and/or services actually performed under the contract.
- ◆ Consultant will not offer or give any gift, item or service of value, directly or indirectly, to a City employee, City official, employee family member or other vendor contracted by the City.
- ◆ Consultant will not cause, influence or attempt to cause or influence, any City employee or City Official, which might tend to impair his/her objectivity or independence of judgment; or to use, or attempt to use, his/her official position to secure any unwarranted privileges or advantages for that Vendor or for any other person.
- ◆ Consultant will disclose to the City any direct or indirect personal interests a City employee or City official holds as it relates to a Vendor contracted by the City.
- ◆ Consultant must comply with all applicable laws, codes or regulations of the countries, states and localities in which they operate. This includes, but is not limited to, laws and regulations relating to environmental, occupational health and safety, and labor practices. In addition, Consultant

ADDITIONAL REQUIRED PROPOSAL SUBMITTAL FORMS

ATTACHMENT B - E-RFP #20230097

must require their suppliers (including temporary labor agencies) to do the same. Consultant must conform their practices to any published standards for their industry. Compliance with laws, regulations and practices include, but are not limited to the following:

- Obtaining and maintaining all required environmental permits. Further, Consultant will endeavor to minimize natural resource consumption through conservation, recycling and substitution methods.
- Providing workers with a safe working environment, which includes identifying and evaluating workplace risks and establishing processes for which employee can report health and safety incidents, as well as providing adequate safety training.
- Providing workers with an environment free of discrimination, harassment and abuse, which includes establishing a written antidiscrimination and anti-bullying/harassment policy, as well as clearly noticed policies pertaining to forced labor, child labor, wage and hours, and freedom of association.

Name of Organization/Proposer KCI Technologies, Inc.

Signature 

Printed Name and Title Bruce Reed, RLA | Vice President

Date September 6, 2023

DISCLAIMER: This Code of Ethics is intended as a reference and procedural guide to Consultants. The information it contains should not be interpreted to supersede any law or regulation, nor does it supersede the applicable Consultant contract. In the case of any discrepancies between it and the law, regulation(s) and/or Consultant contract, the law, regulatory provision(s) and/or vendor contract shall prevail.

ADDITIONAL REQUIRED PROPOSAL SUBMITTAL FORMS

ATTACHMENT B - E-RFP #20230097

E-Verify Form

Contractor acknowledges and agrees to the following:

1. Shall utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the Supplier/Consultant during the term of the contract; and
2. Shall expressly require any subcontractors performing work or providing services pursuant to the state contract to likewise utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the subcontractor during the contract term.

E-Verify Company Identification Number 113742

Date of Authorization April 4, 2008

Name of Contractor KCI Technologies, Inc.

Name of Project Continuing Contracts for Survey & Mapping Services

**Solicitation Number
(If Applicable)** E-RFP No. 20230097

I hereby declare under penalty of perjury that the foregoing is true and correct.

Executed on September, 6, 2023 in Tampa (city), FL (state).




Signature of Authorized Officer

Bruce Reed, RLA | VP/Regional Practice Leader
Printed Name and Title of Authorized Officer or Agent

SUBSCRIBED AND SWORN BEFORE ME

ON THIS THE 6 DAY OF September, 2023.

NOTARY PUBLIC Tobi Burton 

My Commission Expires: March 11, 2024



ADDITIONAL REQUIRED PROPOSAL SUBMITTAL FORMS

ATTACHMENT B - E-RFP #20230097

NON-COLLUSION AFFIDAVIT

State of Florida

County of Broward }

Bruce Reed, RLA, being first duly sworn, disposes and says that:

(Name/s)

1. They are Vice President of KCI Technologies, Inc. the Proposer that

(Title)

(Name of Company)

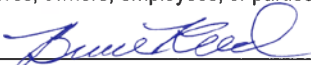
has submitted the attached PROPOSAL;

2. He is fully informed respecting the preparation and contents of the attached proposal and of all pertinent circumstances respecting such PROPOSAL;

3. Such Proposal is genuine and is not a collusive or sham Proposal;

4. Neither the said Proposer nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant, has in any way colluded, conspired, connived or agreed, directly or indirectly with any other Proposer, firm or person to submit a collusive or sham Proposal in connection with the contract for which the attached proposal has been submitted or to refrain from proposing in connection with such Contract or has in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other Proposer, firm or person to fix the price or prices in the attached Proposal or of any other Proposer, or to secure through any collusion, conspiracy, connivance or unlawful agreement any advantage against the City of Port St. Lucie or any person interested in the proposed Contract; and

5. The price or prices quoted in the attached Proposal are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the Proposer or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.

(Signed) 

(Title) Vice President/Regional Practice Leader

ADDITIONAL REQUIRED PROPOSAL SUBMITTAL FORMS

ATTACHMENT B - E-RFP #20230097

STATE OF FLORIDA }
COUNTY OF ST. LUCIE} SS:

The foregoing instrument was acknowledged before me this (Date) September 6, 2023

by: Bruce Reed, RLA who is personally known to me or who has produced

N/A - Personally Known as identification and who did (did not) take an oath.

Commission No. GG 930804

Notary Print: Tobi Burton

Notary Signature: Tobi Burton



ADDITIONAL REQUIRED PROPOSAL SUBMITTAL FORMS

ATTACHMENT B - E-RFP #20230097

DRUG-FREE WORKPLACE FORM

The undersigned Contractor in accordance with Florida Statute 287.087 hereby certifies that
KCI Technologies, Inc. does:
(Name of Business)

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the commodities or contractual services that are under proposal a copy of the statement specified in subsection (1).
4. In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under proposal, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 Florida Statutes or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.
5. Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.
6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

As the person authorized to sign the statement, I certify that this firm complies fully with the above requirements.


Bidder's Signature

September 6, 2023
Date:

ADDITIONAL REQUIRED PROPOSAL SUBMITTAL FORMS

ATTACHMENT B - E-RFP #20230097

VENDOR CERTIFICATION REGARDING SCRUTINIZED COMPANIES' LISTS

Vendor Name: KCI Technologies, Inc.
Vendor FEIN: 52-1604386
Authorized Representative's Name: Bruce Reed, RLA
Authorized Representative's Title: Vice President/Regional Practice Leader
Address: 1425 W. Cypress Creek Rd. Suite 101
City, State and Zip Code: Fort Lauderdale, FL 33309
Phone Number: (954) 839-6697
Email Address: bruce.reed@kci.com

Sections 287.135 and 215.473, Florida Statutes, prohibit Florida municipalities from contracting with companies, for goods or services over \$1,000,000 that are on either the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or to engage in any Business operations with Cuba or Syria. Sections 287.135 and 215.4725 also prohibit Florida municipalities from contracting with companies, for goods or services in any amount that are on the list of Scrutinized Companies that Boycott Israel.

The list of "Scrutinized Companies" is created pursuant to Section 215.473, Florida Statutes. A copy of the current list of "Scrutinized Companies" can be found at the following link:
<https://www.sbafla.com/fsb/FundsWeManage/FRSPensionPlan/GlobalGovernanceMandates/QuarterlyReports.aspx>

As the person authorized to sign on behalf of the Respondent Vendor, I hereby certify that the company identified above in the section entitled "Respondent Vendor Name" is not listed on either the Scrutinized Companies with Activities in Sudan List; or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List; is not participating in a boycott of Israel; and does not have any business operations with Cuba or Syria. I understand that pursuant to Sections 287.135 and 215.473, Florida Statutes, the submission of a false certification may subject the Respondent Vendor to civil penalties, attorney's fees, and/or costs.

I understand and agree that the City may immediately terminate any contract resulting from this solicitation upon written notice if the company referenced above are found to have submitted a false certification or any of the following occur with respect to the company or a related entity: (i) for any contract for goods or services in any amount of monies, it has been placed on the Scrutinized Companies that Boycott Israel List, or is engaged in a boycott of Israel, or (ii) for any contract for goods or services of one million dollars (\$1,000,000) or more, it has been placed on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or it is found to have been engaged in business operations in Cuba or Syria.

Authorized Signature

Bruce Reed, RLA

Print Name



Signature

ADDITIONAL REQUIRED PROPOSAL SUBMITTAL FORMS

ATTACHMENT B - E-RFP #20230097

TRUTH-IN-NEGOTIATION CERTIFICATE AND AFFIDAVIT

STATE OF FLORIDA §
COUNTY OF ST. LUCIE §

Before me, the undersigned authority, personally appeared affiant Bruce Reed, RLA, who being first duly sworn, deposes and says:

1. That the undersigned firm is furnishing this Truth in Negotiation Certificate pursuant to Section 287.055(5)(a) of the Florida Statutes for the undersigned firm to receive an agreement for professional services with the City of Port St. Lucie, St. Lucie County, Florida.

2. That the undersigned firm is a corporation which engages in furnishing professional engineering services and is entering into an agreement with the City of Port St. Lucie, St. Lucie County, Florida to provide professional services for a project known as Continuing Contracts for, Contract #E-RFP Number: 20230097 Survey & Mapping Services

3. That the undersigned firm has furnished the City of Port St. Lucie, St. Lucie County, Florida a detailed analysis of the cost of the professional services required for the project.

4. That the wage rate information and other factual unit cost, which the undersigned firm furnished, were accurate, complete and current at the time the undersigned firm and the City of Port St. Lucie entered into the agreement for professional services on the project.

5. That the agreement which the undersigned firm and the City of Port St. Lucie entered into on this job contained a provision that the original agreement price and any additions thereto shall be adjusted to include any significant sums by which the City of Port St. Lucie determines the agreement price was increased due to inaccurate, incomplete or non-current wage rates or other factual unit cost and that all such agreement adjustments shall be made within one (1) year following the end of the agreement.

FURTHER AFFIANT SAYETH NAUGHT

KCI Technologies, Inc.

Name of Firm

Bruce Reed

By: Vice President

The foregoing instrument was acknowledged before me by Bruce Reed, RLA who has produced N/A - Personally Known as identification or is personally known to me.

WITNESS my hand and official seal in the State of County last aforesaid this 6 day of September, 2023.

(SEAL)

Signature

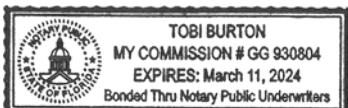
Tobi Burton

Tobi Burton

Notary Name (typed or printed)

Senior Marketing Coordinator

Title or Rank





CONTRACT EXCEPTIONS

CONTRACT EXCEPTIONS



KCI proposes the following changes to the existing contract language:

1. SECTION IX INDEMNIFICATION/HOLD HARMLESS

- **Reason for the exception:** Professional services contract entered into with a public agency may not require that the design professional defend, indemnify, or hold harmless the agency, its employees, officers, directors, or agents from any liability, damage, loss, claim, action, or proceeding, and any such contract provision.
- **Proposed contract language:** Consultant shall indemnify and hold harmless the Client, its officers, directors, employees, from and against those liabilities, damages and costs that Client is legally obligated to pay as a result of the death or bodily injury to any person or the destruction or damage to any property, to the extent caused by the willful misconduct, negligent act, error or omission of the Consultant or anyone for whom the Consultant is legally responsible, subject to any limitations of liability contained in this Agreement. Consultant will reimburse Client for reasonable defense costs for claims arising out of Consultant's professional negligence based on the percentage of Consultant's liability.

2. SECTION XXI TERMINATION, DELAYS, AND LIQUIDATED DAMAGES I

- **Reason for the exception:** language is too vague - "to the City's satisfaction".
- **Proposed contract language:** All Work shall be performed in a manner consistent with and limited to that degree of care and skill ordinarily exercised by members of the same profession currently practicing under similar circumstances at the same time and in the same or similar locality.
- **Reason for the exception:** Notice of Default - If there is a default event caused by the Consultant, the City shall provide written notice to the Consultant requesting that the breach or noncompliance be remedied within the period of time specified in the City's written notice - A base time frame is needed to consider corrective actions.
- **Proposed contract language:** Notice of Default - If there is a default event caused by the Consultant, the City shall provide written notice to the Consultant requesting that the breach or noncompliance be remedied within the period of time specified in the City's written notice but at a minimum within 30 days.

3. SECTION XXVIII CONTRACT ADMINISTRATION

- **Reason for the exception:** Insurance does not cover certifications, guarantees, and warranties of our professional services. - The Consultant represents and expressly warrants that all aspects of the Services provided or used by it shall, at a minimum, conform to the standards in the Consultant's industry.
- **Proposed contract language:** Consultant guarantees personnel will have the appropriate licenses.

